User Manual

ADVENTURE

Questions?

Need Some Help?

This manual should help you understand your new product.

If you still have questions, visit our website: www.ioncamera.com

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www.facebook.com/ioncamera

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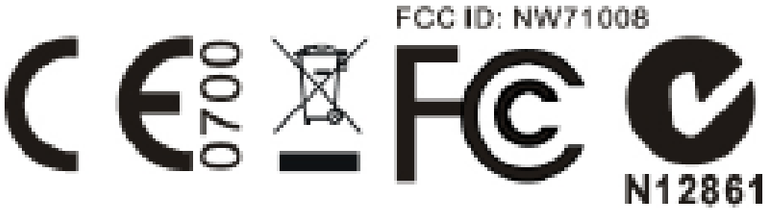
www.twitter.com/ioncamera

FCC STATEMENT

Caution Statement
“Modifications not approved by the party responsible for compliance could void the user’s authority to operate the equipment.”
Instruction Statement
NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/ TV technician for help.
WARNING: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THE DEVICE. ANY SUCH MODIFICATIONS COULD VOID THE USER’S AUTHORITY TO OPERATE THE EQUIPMENT.



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READ THIS FIRST

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- Microsoft® and Windows® are U.S. registered trademarks of Microsoft Corporation.
- Pentium® is a registered trademark of Intel Corporation.
- iPhone, iPad, Macintosh is a trademark of Apple Inc.
- MicroSD™ is a trademark.
- Other names and products may be trademarks or registered trademarks of their respective owners.

Product Information

- Product design and specifications are subject to change without notice. This includes primary product specifications, software, and user's manual. This User Manual is a general reference guide for the product.
- The product and accessories that come with your iON camera may be different from those described in this manual. This is due to the fact that different retailers often specify slightly different product inclusions and accessories to suit their market requirements, customer demographics, and geographical preferences. Products very often vary between retailers especially with accessories such as chargers, memory cards, cables, pouches, mounting accessories and language support. Occasionally a retailer will specify a unique product color and appearance. Contact your dealer for precise product definition and included accessories.
- The illustrations in this manual are for the purpose of explanation and may differ from the actual design of your iON camera.
- The manufacturer assumes no liability for any errors or discrepancies in this user manual.

SAFETY INSTRUCTIONS

Read and understand all **Warnings** and **Cautions** before using this product.

Warnings:

Make sure the PODZ is completely sealed before use. **If foreign objects or water have entered the camera, turn the power off.**
Continued use may cause an injury. Please call our customer services department for assistance.

If the camera has been dropped or its case has been damaged, turn the power off.
Continued use may cause an injury. Please call our customer services department for assistance.

There are no user serviceable parts for the camera: DO NOT DISSASSEMBLE!
For repair, please call our customer services department for assistance.

Do not place the camera on unstable surfaces.
This may cause the camera to fall or tilt over, causing damage.

Cautions:

A camera is a precision instrument. Do not drop, strike, or use excessive force when handling the camera.
This may cause damage to the camera.

Do not use the camera in humid, steamy, smoky, or dusty places.
This may cause fire or electric shock.

Do not leave the camera in places where the temperature may rise significantly such as inside a car.
This may adversely affect the case or the parts inside.

Before you move the camera, disconnect cords and cables.
Failure to do this may damage cords and cables.

This is an extreme sports video product.
Please be careful when using this product, falling on the camera may cause bodily injury

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INTRODUCTION

Overview

Thank you for purchasing the iON Adventure camera. The Adventure is a dual purpose camera for both in car and action video use. The in car function allows you to record whilst driving and capture your journey whilst also recording your location information using the built in GPS. The in car function also allows you to use the camera for “incident capture”. When in DV mode your camera can be used as a camcorder or sports video camera for your in-or outdoor activities. With iON's unique CamLOCK™ mounting system, you can easily detach the camera from your car and carry it along for your adventure or sport activities.

- Accepts two MicroSD cards
- HD recording – Up to 1080p resolution
- Simple operation with one press capture.
- Records excellent videos in low light environment
- Waterproof to 10m or 30ft
- Long battery life approx. 2 hrs when fully charged at 720p.
- 120 degree wide-angle field of view.
- Approx.139g weight.
- Captures high resolution photos
- Compatible with all types of iON PODZ accessories, including Wi-Fi and Remote
- Built-in GPS adds geo-information to your files.
- Incident capture functionality.

- Loop recording mode.
- 8GB FREE iON Cloud storage
- Compatible with other iON mounting systems

Package Contents

Carefully unpack the iON Adventure and ensure that you have the following items:

1. USB Cable
2. Universal Power Adapter
3. Dual USB Car Adapter
4. Secure Strap
5. USB to AV Adapter
6. CamLOCK™
7. CamLOCK™ Key
8. Suction Mount
9. L-Tripod Adapter
10. CamLOCK™ Slot-Car
11. Warranty Card
12. Quick User Guide
13. Pouch
14. Mi-media Card

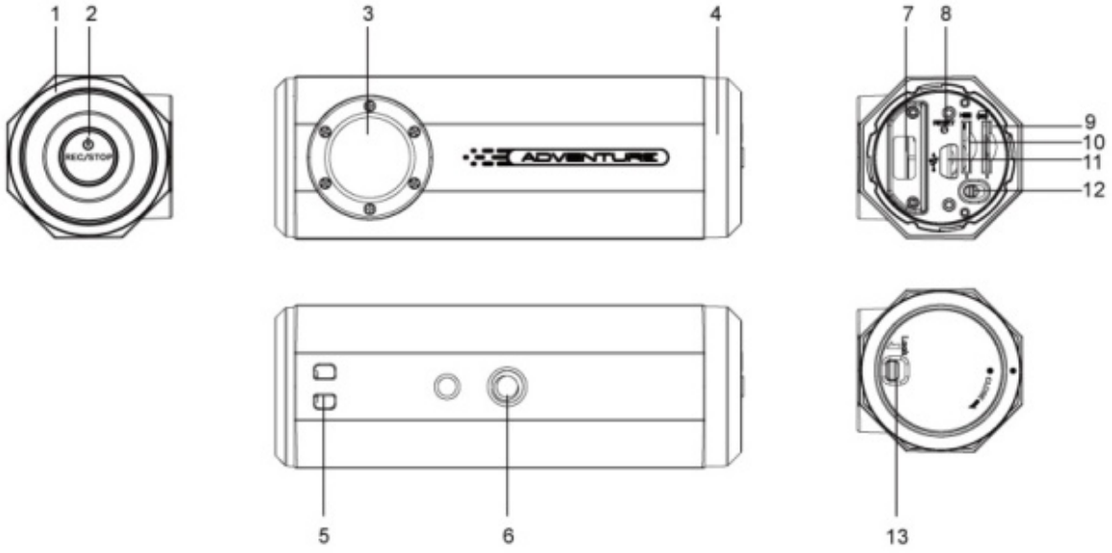
Common (Optional) Accessories:

‼ MicroSD or MicroSDHC card up to 128 GB (Class 6 or higher recommended.)

The memory card is required to have at least 8GB free space. A 32GB or above card is recommended for the car recording features.

Note: Please check your computer to make sure a card larger than 32GB can be read.

GETTING TO KNOW YOUR CAMERA



1. LED Light Guide
2. REC/STOP Button
3. Wide Angle Lens
4. PODZ
5. Strap vent
6. Tripod Socket
7. PODZ Socket
8. Reset Button
9. MicroSD Slot for CAR
10. MicroSD Slot for DV
11. Mini USB Slot
12. Mode Switch
13. PODZ Latch

GETTING STARTED

Charging the Battery

The embedded 1200mAh Li-Polymer Battery in the Adventure camera can be recharged quickly allowing you hours of recording time.

To charge the battery

1. Charge your camera through the USB cable connected to a USB2.0 computer port, the AC adapter (included) on wall socket power, DC Car adapter (included) or any 5V 1A AC/DC adapter.
2. The LED indicator lights RED when the camera is charging.
3. The Red LED will turn OFF once the battery is fully charged. It takes about 2 hours to initially charge the camera. Subsequent charges take approximately 2 hours.

‼ When the battery power is low, the camera will vibrate three times to indicate the low battery.

‼ The camera will vibrate for 2 seconds to indicate it's out of power. The camera will automatically save the file if it is recording and turn off.

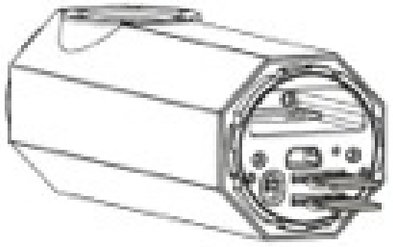
‼ If the camera does not charge, please contact our help line for assistance as you should not attempt to remove the internal battery. Doing so, will void your warranty coverage and can possibly damage the camera.

Inserting MicroSD Card (not included)

The Adventure supports MicroSD cards up to 128GB (Class 6 or higher cards are recommended) which allows you to take High Definition (HD) Video for approximately 4 hours (1080p 30 fps or 720p 60 fps). If there is no MicroSD card in the camera, the Red and Blue LED will flash alternatively and continuously.

To insert a MicroSD card

The camera has two MicroSD card slots, one for CAR mode and the other for DV mode. A MicroSD card (not included) must be inserted in at least one of the slots to use your camera.



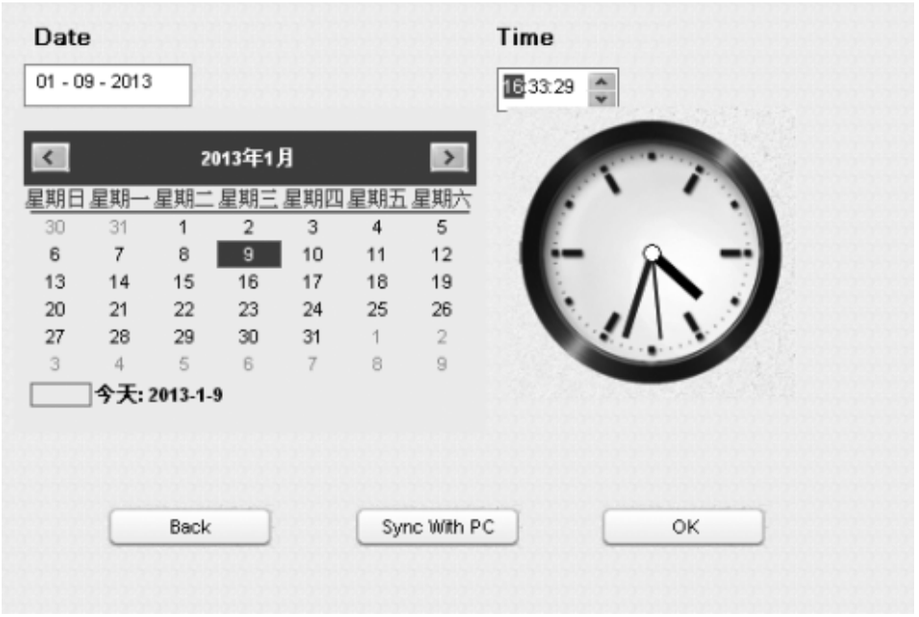
- ‼ There is only one direction to insert the MicroSD card into the slot. Do not force the card into the card slot as it may damage both the camera and the MicroSD card.
- ‼ Camera power must be OFF when inserting or removing a card. Files or the card may be corrupted if a card is inserted or ejected whilst power is on.
- ‼ A new MicroSD card should be formatted before use. For instructions on how to format the card, please refer to the Section “CONNECTING CAMERA TO A TV” or use your computer’s native formatting facilities.

Setting Date & Time

You can set the camera's clock with the iON application software (resident on the camera) to ensure that your video and photo files are saved with the correct date/time information.

To set up the camera clock

1. Turn the camera power on.
2. Connect the camera to a Mac or Windows computer USB 2.0 port using the USB cable.
3. 3 new Removable Devices will be added to MS Windows "Computer" or Mac "Finder." Open the device named "ION (X)" and run iON_win.exe on Windows or the device named "ION" and run iON_mac.app on Mac.
   (The letter "X" depends upon what other devices are already attached to your computer.)
4. Find the "Date & Time" at the bottom of the Settings Window and click "Set".
5. Adjust the date and time manually or click "Sync with PC" to set the camera time to the same time as your PC clock.
6. Click "OK" to save the settings.
7. Disconnect your camera from the PC immediately after setting date/time to ensure the date & time is set correctly.



‼ Please note the user interface may vary with further firmware upgrades.

CAR MODE

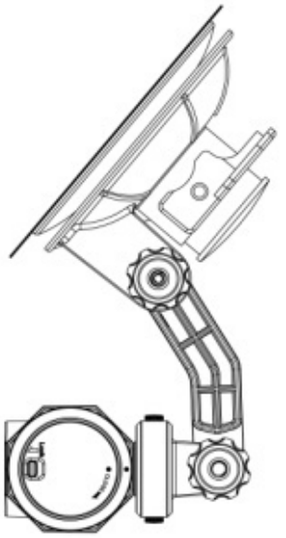
CAR mode ( ) lets you capture the scenery along your drive as well as preserve a record of any unexpected incidents. Recording operates in a loop, overwriting the oldest files once the card is full. Files can be manually protected from delete and are automatically protected if the G-Sensor detects a hard brake or collision.

Attach the Camera to the Suction Mount

1. Fit the screw of the CamLOCK™ to the tripod socket on the camera.
2. Tighten the CamLOCK™ screw.
3. Loosen and remove the top screw from the car mount.
4. Attach the CamLOCK™ Slot to the top of the car mount and reinstall the screw.
5. Slip the CamLOCK™ (on the camera) into the CamLOCK™ Slot.
6. Press the CamLOCK™ sides to release and slide the camera off the suction mount for on the go use.

Installing the Suction Mount & Camera into a Vehicle

1. Stop the engine and make sure your car is parked in a safe location.
2. Press the car mount onto the windshield and push the PRESS button to remove the air between the windshield and car mount.
3. Pull down on the handle of the car mount to tighten the seal.
4. The camera is designed to mount behind or under the rear view mirror. The lens of camera should be positioned at the center of the front windshield. Take care not to block the driver's visibility.
5. Connect the camera to the DC Power jack in your car with included USB cable and USB car adapter. Secure the cable if it is too loose so it will not interfere with driver motion.
6. Loosen and retighten the screws on the car mount to adjust the camera's orientation.



Caution When Installing the Camera

- Installing or operating the product while you are driving may cause an accident. Stop your car in a safe location to install or operate the product.
- Dust in the cigarette jack may cause excessive heat or fire. Clean it periodically.
- Frequently check whether the camera and mount are installed securely. The camera or mount may fall due to vibrations and result in personal injury or damage to the product.
- The manufacturer is not liable for any product damage or personal injuries that occur due to accident or carelessness.

Recording in CAR Mode (Power on/off)

1. Slide the Mode Switch to the Car position to set it to CAR mode.
2. Make sure a MicroSD card has been installed into the CAR slot. The memory card is required to have at least 8GB free space. A 32GB or above card is recommended for the car recording features.

   Note: Please check your computer to make sure a card larger than 32GB can be read.
3. Press and hold the PWR/REC/STOP

button until the LED lights up to turn the camera on and start recording.
4. When connected to the car's power supply, the camera will detect the movement of your car to power on and start recording automatically.

   Note: You can turn on the camera manually by pressing and holding

in case it cannot be powered on automatically.
5. When the camera is not connected to any power supply or if you want to start recording before driving, press and hold PWR/REC/STOP

to power on and start recording.
6. The camera is always recording when ON in CAR mode.
7. A short vibration indicates recording has started. The LED indicator illuminates in RED throughout the recording.

8. To take a still shot, press

once. The camera will take either a 1MP or 2MP still photo depending on the current video resolution setting. Still photos are saved in the folder 100EMERG.

Video Resolution Setting	Corresponding Photo Resolution
1080p	2MP
720p	1MP

9. Press and hold

to stop the recording and turn the camera off.

Car Mode Files and Recording Details

Video file recording in CAR mode operates in a loop, creating successive files of 5 minutes in 720p and 3 minutes in 1080p. When the camera detects a memory full situation with only enough space for protected files remaining, the next file will overwrite the oldest file to make sure the recording function is always on.

1. The default video resolution for CAR Mode is 720p. You can change the resolution through the iON Application Software.
2. Files recorded in CAR Mode are saved in the DCMI\10XMOTOR folder on the memory card.
3. The files are named with the format YYYYMMDD_XXXX.MP4 or JPG. YYYY, MM, DD represent the year, month and day of the recording. XXXX is 4 successive numeric digits.

‼ You can playback video with GPS information using the Kinomap software

(downloaded separately). Please refer to section “USING KINOMAP SOFTWARE” for details on how to use the Kinomap software.

‼ Please visit http://ion.kinomap.com/ to download the Kinomap software.

Car Mode File Protection

Files will be protected from the looping delete if the G-sensor detects a hard brake or collision. You can adjust the sensitivity of the G-sensor through the software. The current recording file can be protected manually by pressing

twice quickly.

1. Protected files are saved in the 100EMERG folder.
2. Protected files are also named as YYYYMMDD_XXXX.MP4 or JPG. YYYY, MM, DD represent the year, month and day of the recording. XXXX represents 4 successive numeric digits.
3. The maximum space for storing protected videos and photos is 4GB. When the upper limit is reached, file protection and the still photo function are disabled unless some or all files are cleared from the 100EMERG folder.
4. If the file protection function is triggered, the camera is able to preserve at least 3GB of space for protected files when recording regular Car Mode looping video files.
5. The camera will flash twice every 10 seconds to indicate the space for protected files is about to be full. Clear or back up files immediately to make space for new files.
6. If you notice unexpected protected files, adjust the G-Sensor sensitivity using the iON Application Software.

VIDEO CAMERA (DV) MODE

In DV mode ( ) your camera operates as a regular HD action camera. With iON's unique CamLOCK™ system, optional attachments and waterproof casing, it is ready for all your sports activities. Unlike Car mode, Video file recording in DV mode does not operate in a loop. DV mode has a Standby ON state and video recording does not start as soon as the camera is turned on.

Power on and off in DV Mode

1. Slide the mode switch to the camera position to set the camera to DV mode.
2. Make sure a MicroSD card has been installed into the DV slot. You will need a minimum Class 6 MicroSD card for HD recording
3. Press and hold the PWR/REC/STOP button until the camera vibrates and the Blue LED lights up.
4. To turn the camera off, press and hold the PWR/REC/STOP button. The camera will vibrate for two seconds and the Blue LED will turn off.

Recording Videos in DV Mode

1. Press and hold button to turn the camera on. The LED indicator illuminates in BLUE to show the camera is on and in standby mode
2. Quick press button once to start recording. The camera will vibrate once and the LED indicator illuminates RED throughout recording.
3. Press button during recording to stop the recording. Or, press and hold button to stop the recording and turn the camera off.
4. The default video resolution is 1080p. You can change the resolution through

the iON application software.

- There will be around 1-2 seconds delay before the camera starts recording.
- You can playback the video with GPS information using the Kinomap software (to be downloaded separately). Please refer to section “USING KINOMAP SOFTWARE” for details about how to use the Kinomap software.
- Please visit http://ion.kinomap.com/ to download the Kinomap software.

Still Photos in DV Mode

When the camera is in DV mode, still Photo capture is only possible when the camera is under the control of the iON Remote & Remote PODZ or a Wi-Fi connected iON App & Wi-Fi PODZ. The Remote PODZ Kit and Wi-Fi PODZ Connect Kit are sold separately.

Please refer to the User Guides of these products for detailed operation instructions or visit www.ioncamera.com

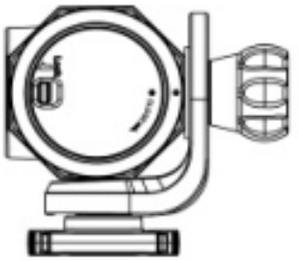
- The Still Photo function is disabled during video recording.
- The default photo mode is “single shot”. Burst mode gives you a continuous 10 photo shots to capture that “can’t miss” moment. Time Lapse mode takes a series of photos at 5, 10, 30 or 60-second intervals. To change the still photo mode, please refer to section “CONNECTING CAMERA TO A COMPUTER”.

Mounting Your Camera

Use the included L-Tripod Adapter to change the tripod socket direction to suit your

mounting purpose.

The camera is also compatible with most of the other iON CamLOCK™ mounts for individual sports activities. View the full line of kits and review their User Guides, for complete information, visit www.ioncamera.com.



RESETTING THE CAMERA

Press the Reset button with a thin and blunt object to reset the camera.

USINGTHE PODZ

PODZ is a series of accessories that work with your camera and provide additional functions. Insert the PODZ into the PODZ socket of the camera for immediate use.

PODZ – Basic back cover to seal your camera
Wi-Fi PODZ – Provides wireless capability to your camera. (Sold Separately)

Remote PODZ – Control your camera via a remote. (Sold Separately)
Battery PODZ – Extends the battery time of your camera. (Sold Separately)

AUTO ROTATION

The camera has a built-in G-sensor that detects the camera's orientation. When Auto Rotation is ON, you can rotate your camera before recording begins to 90°, 180° or 270° from the default position (refer to the table) and the recorded view will be rotated in the same angle. This lets you mount the camera in a different orientation without recording a rotated or inverted view. Video resolution is adjusted when rotated in 90° or 270°.

Video Resolution	0° or 180°	90° or 270° (DV only)
1080P	1920x1080	608x1080
720P	1280x720	416x720

‼ The 90° and 270° auto rotation functions are available in DV mode only.

‼ Auto Rotation affects video only, not still photos.

‼ Adjust your camera orientation before you start video recording. Orientation detection cannot be activated during recording.

‼ Auto Rotation is ON by default. You can turn it OFF through the “General settings” in the iON Application Software, please refer to the Section “CONNECTING CAMERA TO A COMPUTER.

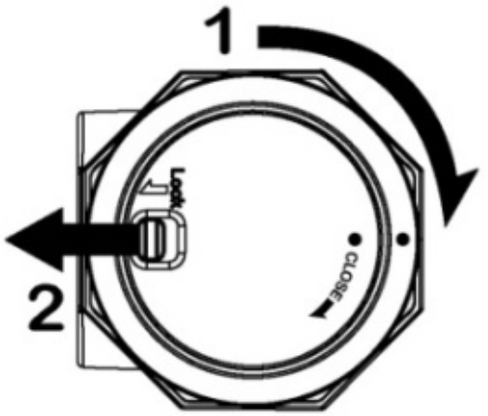
GPS

The camera has built-in GPS to capture geo-information in photo and video files. GPS data capture in video/photo files is always on and is not configurable. The first time you use your camera it will take around 30 to 60 seconds to capture the satellite signal. After the initial use it will only take about 10 seconds to locate the satellite signal at power on. Trees, buildings or any high constructions may block the GPS reception and affect its accuracy. The GPS signal may be completely blocked indoors or in shielded areas.

SEALING YOUR CAMERA TO PREVENT WATER DAMAGE

The waterproof housing allows you to operate the camera up to 10 meters or 30 feet under water. You must seal the camera with the basic PODZ (included) or another PODZ accessory to protect the camera when using it in wet or moist conditions.

‼ The rubber seal on the PODZ forms the waterproof barrier to protect the camera in wet and underwater conditions. You must keep this seal clean as a single strand of hair or grain of sand can cause a leak into the product.



‼ After every use in salt water, make sure to rinse the outside of the product and the seal with clean fresh water and dry thoroughly. Failure to do so will result in product corrosion and seal decay leading to permanent product damage and failure.

Please ensure you install and lock the PODZ correctly before using the camera to avoid water damage. Failure to properly seal your camera can result in leaks that damage or destroy your camera. Your warranty does not cover water damage resulting from user's misuse or neglect.

1. Attach the PODZ to the back of the camera and rotate clockwise until the dots are aligned as the picture.
2. Slide the latch on the PODZ to lock it.

CONNECTING CAMERA TO A COMPUTER

Running the iON Software

The camera is Plug & Play compatible with Windows & Mac for connection as a mass storage device, allowing you to easily transfer photo/video files to the computer. Run the on board iON Application Software to change the camera's settings.

Both the Windows iON.exe and Mac iON_mac.app Software Application come installed on the camera.

1. Turn the camera on.
2. Connect the camera to a Mac or Windows computer USB 2.0 port using the USB cable.
3. If you are a windows user, three new Removable Devices will be added to MS Windows "Computer". Open the drive named "ION (X)" and find iON_win.exe, double click it to run the app;
   (The letter "X" depends upon what other devices are already attached to your computer.)

If you are a Mac user, Use “Finder” to locate and open the drive named “ION” and find iON_mac.app, double click it to run the .app.

‼ If you cannot find the mass storage locations on your PC, try unplugging the cable from the computer, turn the camera on and off once and reconnect it to computer. Most Windows computers will activate an auto play wizard. Mac Computers may cause Finder to bounce.

Browsing the Files & Transferring Them to A PC

The camera has two MicroSD card slots, one for CAR mode and the other for DV mode. Please make sure at least one of the two card slots of your camera have been installed a MicroSD card with 2MB free space.

1. Windows Software Application

1) Click the “Browse Files” icon

a) If both of the two slots are installed with MicroSD cards. Three new Removable Devices window will pop up. Double click the 2nd drive to browse the files stored on the SD card located in the CAR slot or the 3rd Drive to browse the files stored on the SD card located in the DV slot.

b) If only one of the two slots have been installed with a MicroSD card. The file folders in the MicroSD card will pop up directly.

c) If no card is installed in the camera, it will open the “ION (X)” drive.

2) Click the corresponding folder, the saved photo or video files will be displayed on the browser. Double click a photo or video file to preview the content.

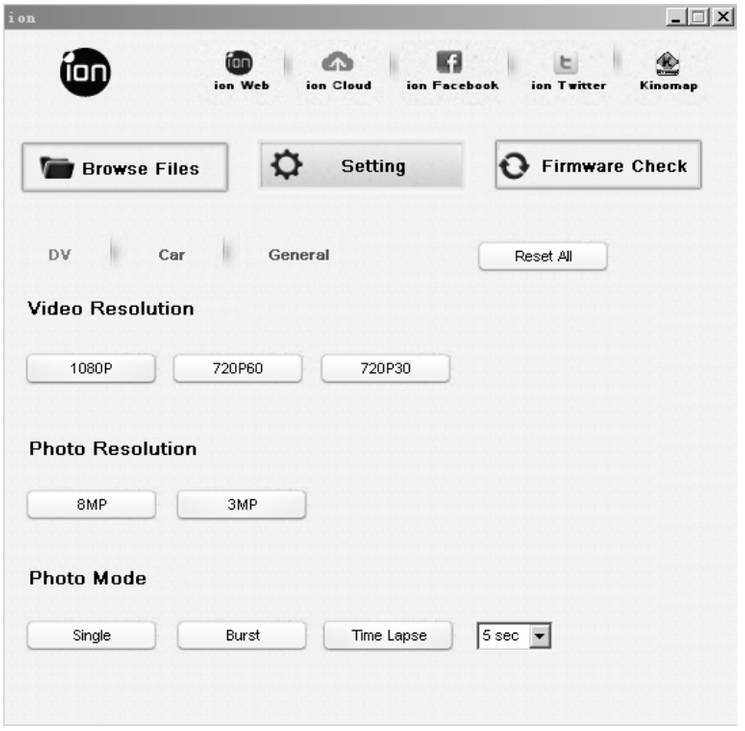
3) Copy or Move the files to your PC hard drive to store them on your computer or share them with social media websites or via email.

2. Mac Software Application

Click “Browse Files” icon, it will enter file folder selection box, you can locate and open your targeted file stored on your computer.

Changing the Camera Settings

The iON Adventure’s camera settings can be changed by utilizing the iON software. Simply click on the options in the DV, Car or General menus.



Set up on DV menu

Click the “DV” menu to select the desired Video resolution, Photo resolution and Photo mode. The active mode will be highlighted.

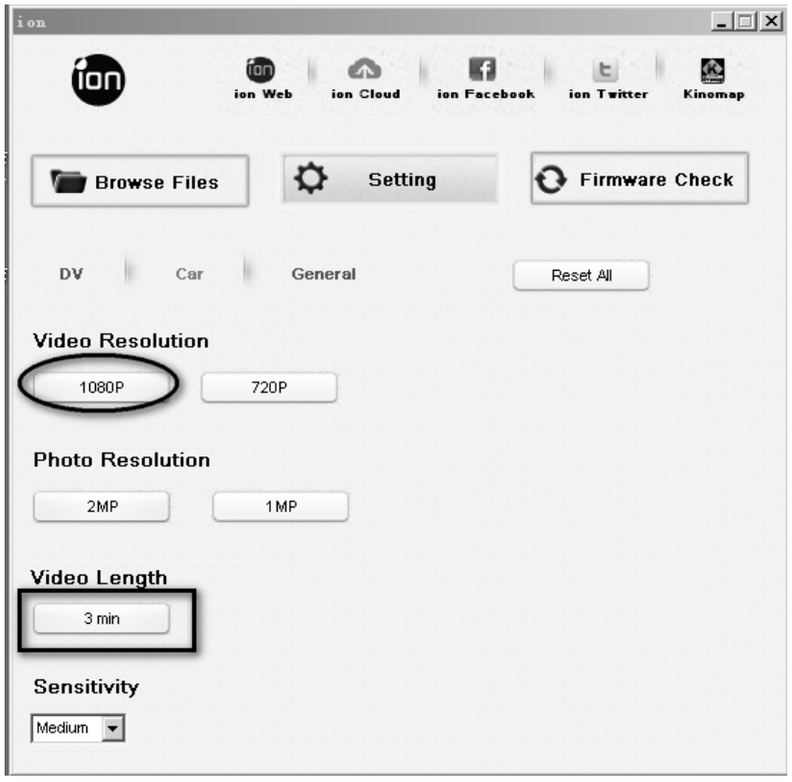
Note: When the photo mode is “Burst”, the photo resolution is fixed at 3MP and cannot be changed to 8MP.

Mode	Options
Video Resolution	1080p, 720p60, 720p30
Time Lapse	5, 10, 30, 60 seconds
Photo Resolution	8MP, 3MP
Photo Mode	Single, Burst, Time Lapse

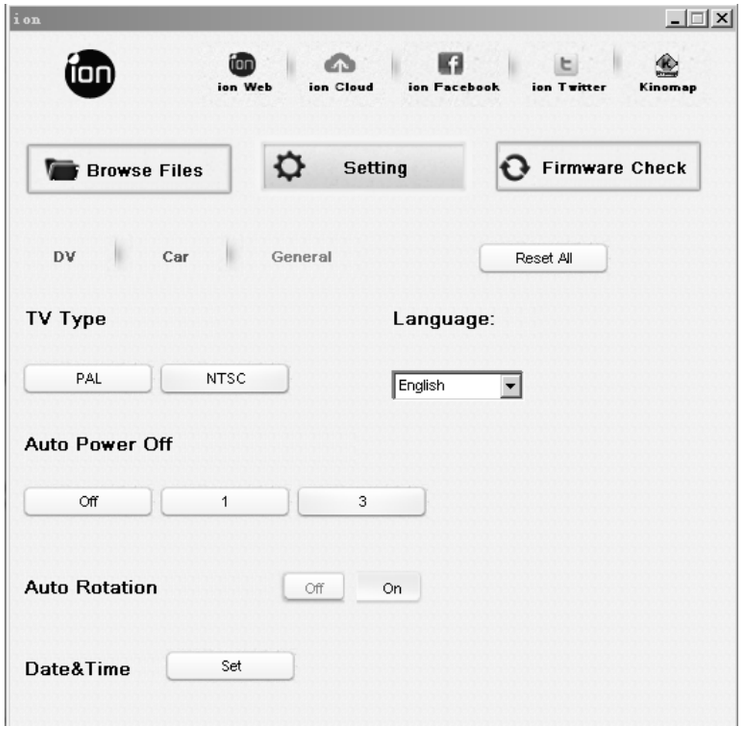
Set up on Car menu

Click the “Car” menu to select the desired video resolution. The active mode will be highlighted.

When the “Video Resolution” is 1080p, “Video Length” is fixed at “3 min”.



When the “Video Resolution” is 720p, both “3 min” and” 5 min” are available for the video length options.



Setting up the General menu

Click the “General” menu to select various general settings for the camera. The active mode will be highlighted.

Mode	Options
Video Resolution	1080p, 720p
Photo Resolution	2MP, 1MP
Video Length	3min, 5 min (Only available for 720p)
Sensitivity	low, medium, high

Mode	Option
TV Type	PAL, NTSC
Language	English, French , German, Italian , Japanese, Spanish, Korean, Simplified Chinese and Traditional Chinese
Auto Power Off	Off, 1, 3 Minutes
Auto Rotation	On ,Off
Date & Time	Date, Time, Sync with PC

Resetting the camera to the default settings:

Clicking “Reset All” the camera will return to all default settings.

Linking to iON Websites and Cloud Service

You can access more iON information by clicking the icons at the top

iON Official Website

iON Cloud Website

iON Facebook Page

iON Twitter Page

iON Kinomap Page

Firmware Update and Installation

In order to keep your camera performance at its best, regularly check for new firmware updates and install them on your camera. Before you update the firmware, make sure your camera is connected to an internet accessible computer.

To perform a firmware check and update

1. Open the iON software.
2. The iON software will automatically detect if a new firmware version is available. When a new firmware version is detected,
   a) If you are a Windows user, the notification “New Firmware version detected” will pop up. Click the “OK button”, the details on the version number and points of enhancement will be displayed.
   b) If you are a Mac user, the “What’s new” dialogue box will pop up displaying the details on the version number and points of enhancement.
3. Click the “Download” button and the new firmware will be downloaded to the “ION(X)” disk if you are a Windows user or to the “ION” disk if you are a Mac user.
   (The letter “X” depends upon what other devices are already attached to your computer.)
4. A notification will be given when download is completed, click the “Install” button to confirm that you want to install the new firmware.
5. Unplug the USB cable from the camera and the camera will automatically install

the latest firmware. The Blue LED illuminates to show that the firmware is installing. The process will take approximately 20 seconds. Do not power off the camera during this time as the power interruption can lead to potential camera damage.

6. The Blue LED will turn off once the installation of the new firmware is completed.
7. The camera will turn off when the upgrade is done. You can power on the camera and the new firmware will be effective.

‼ Place your camera on a stable position throughout the firmware update process.

‼ Ensure that you do not reset the camera or remove the MicroSD card until the full update process is completed. Any interruption, such as a sudden interruption of power supply, will lead to potential damage to the camera due to firmware update failure.

CONNECTING THE CAMERA TO A TV

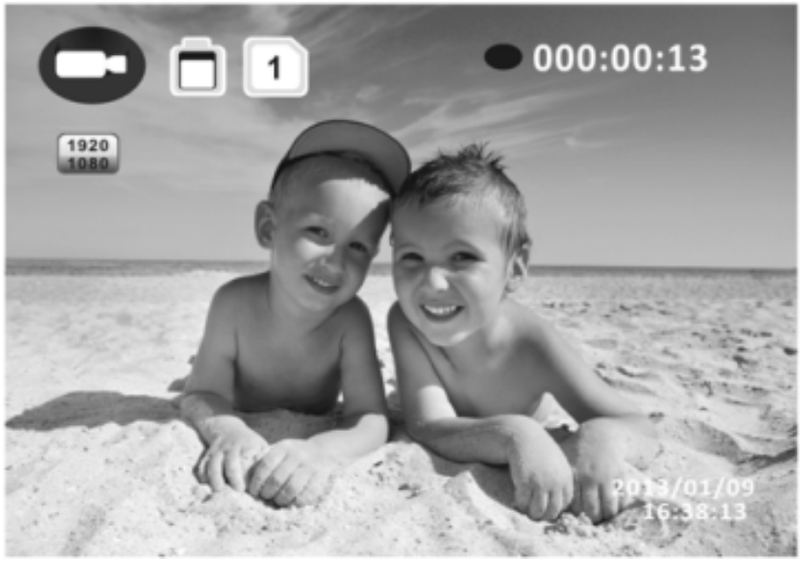
Connect your iON camera to a TV via the USB-to-AV adapter (included) and an AV cable (not included). You can slide the mode switch to change between DV and Car mode.

When sliding the mode switch from to , the SD card symbol will be presented as 2 on the TV screen, while sliding the mode switch from to , the SD card symbol will be presented as 1 .

Connecting the Camera to TV in Car mode

Slide the mode switch to position to enter into CAR mode. Install a MicroSD into the CAR slot.

When the camera is connected to the TV under CAR mode, it will enter the preview mode, showing the contents being recorded. The camera will start recording as normal. The TV display as shown in the picture below will pop up.

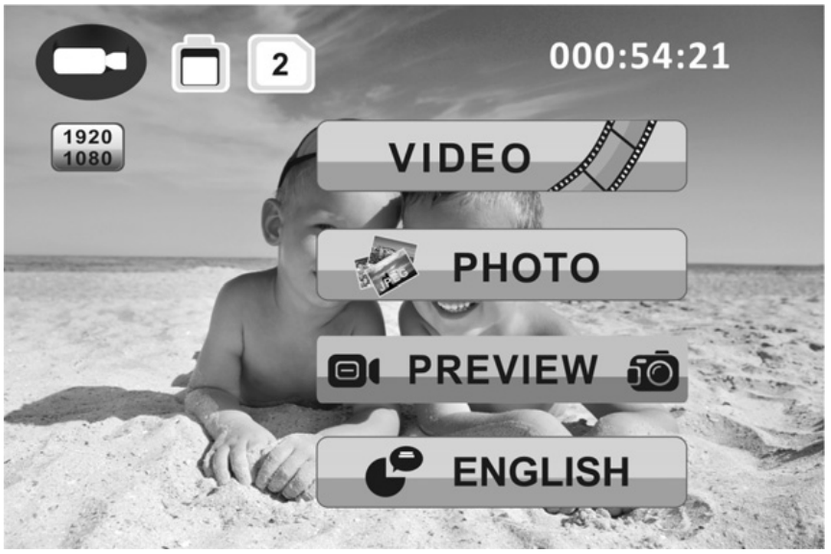


Press REC/STOP once during the recording to take a photo.

Connecting the Camera to TV in DV mode

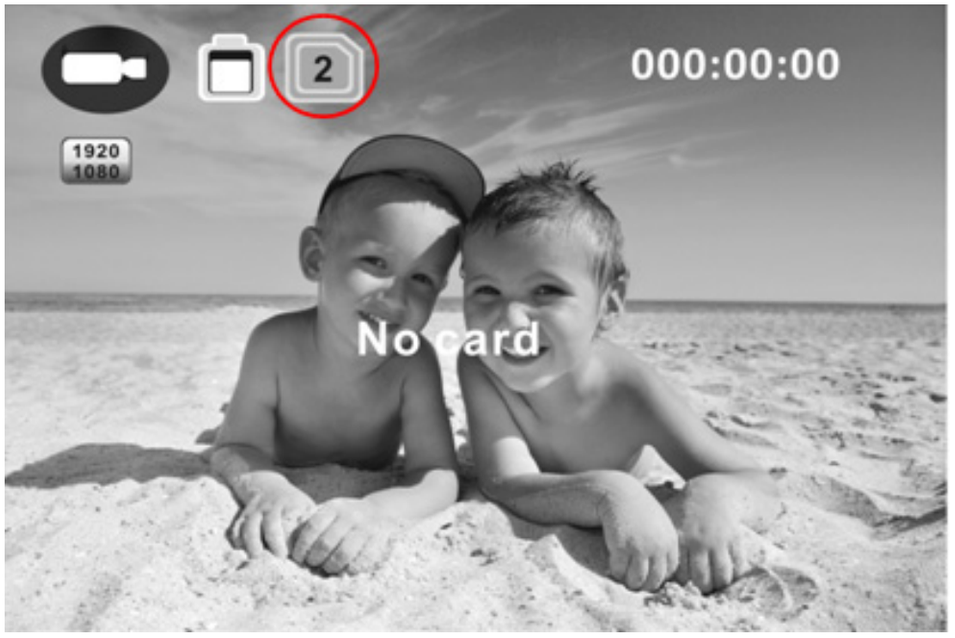
Slide the mode switch to position to enter into DV mode. Install a MicroSD into the DV slot.

When the camera is connected to the TV in DV mode, you can preview files, playback, delete files and format the MicroSD card through your TV screen, the TV menu as shown in the picture below will pop up.



‼ In order to turn off the camera, you will first need to disconnect the camera from the TV

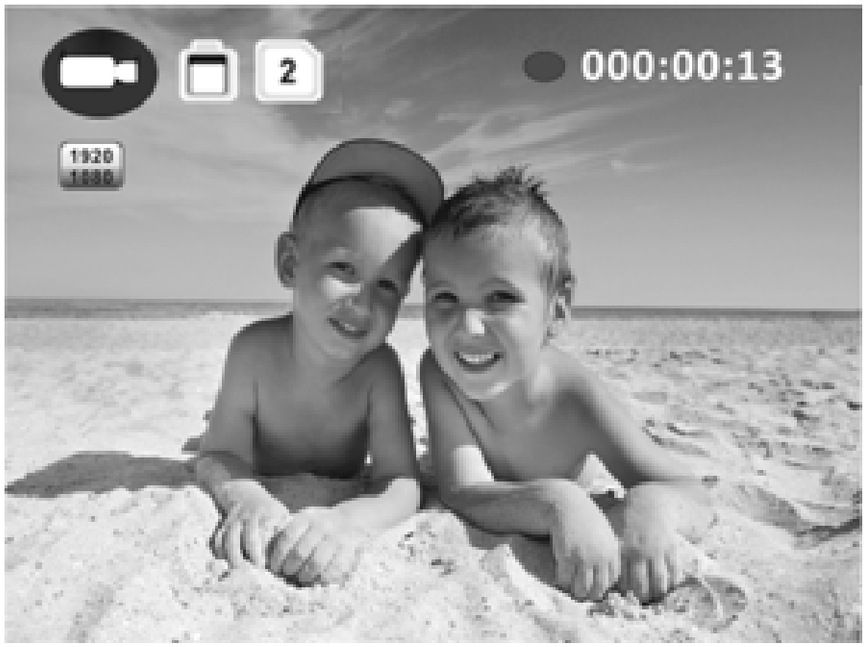
‼ Please make sure a MicroSD card has been inserted into the corresponding card slot of the selected mode, or a“No card”message will be displayed on the TV screen and the background color of the SD card icon will turn from white to grey.



‼ No file will be displayed on the TV screen if you do not have any file on the MicroSD card.

Recording Video with TV in DV mode

1. Slide the mode switch to position to enter into DV mode.
2. Install a MicroSD into the DV card slot.
3. Press and hold REC/STOP button until the TV menu appears.
4. Quick press REC/STOP button to select the Preview mode.
5. Press REC/STOP button twice to enter Video Preview mode.
6. Press REC/STOP button to start recording, and press it again to stop or slide the Mode Switch to position to stop recording and enter into CAR mode.



Playing Back Video Files with TV in DV mode

1. Slide the mode switch to position to enter into DV mode.
2. Install a MicroSD into the DV slot.
3. Press and hold REC/STOP button until the TV menu appears.
4. Quick press REC/STOP button to select the Play Video mode.
5. Press REC/STOP button twice to enter the Play Video mode.
   The latest recorded video will be displayed on the TV screen.
6. Quick press REC/STOP button to view the next file. Select the desired video file you want to view.
7. Press REC/STOP button twice to start playing back the video.
8. REC/STOP During video playback, quick press REC/STOP button to pause and press REC/STOP button once again to continue.

9. Press and hold REC/STOP button to enter the Edit menu.

Changing TV Language in DV mode

There are 9 different languages for you to select.
To change TV language in DV mode, it is not necessary to have a MicroSD card installed into the camera.

To change the language setting

1. Slide the mode switch to position to enter into DV mode.
2. Press and hold REC/STOP button until the TV menu appears.
3. Quick press REC/STOP button to select language mode.
4. Press REC/STOP button twice to enter the language setting mode.
5. Quick press REC/STOP button to select the desired language.

6. Press REC/STOP button twice to enter TV menu and the language will be changed

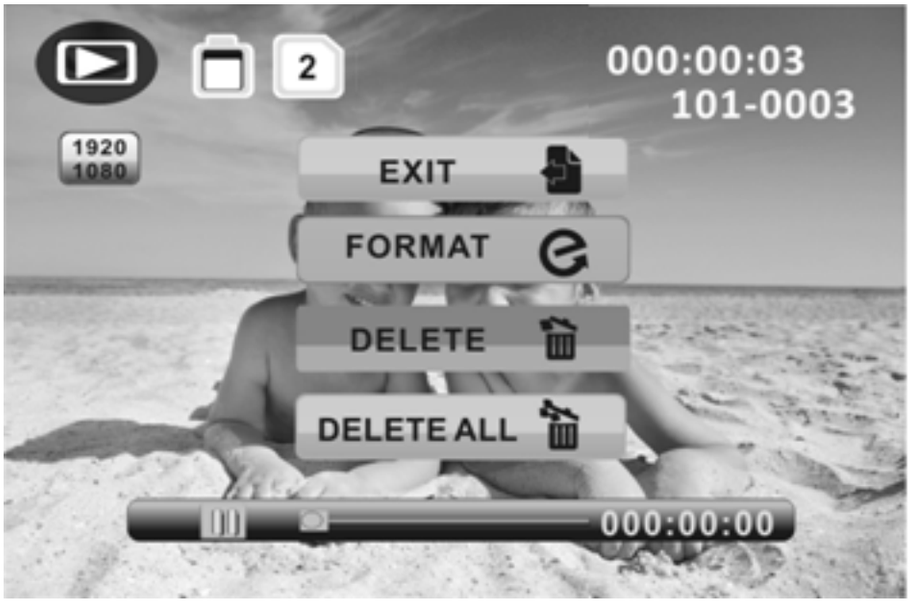
Deleting Video Files w/ TV in DV mode

You can delete a single or all video file(s) in the MicroSD card.

To delete the files

1. Slide the mode switch to position to enter into DV mode.
2. Install a MicroSD into the DV slot.
3. Press and hold REC/STOP button until the TV menu appears.
4. Quick press REC/STOP button to select Video mode.
5. Press REC/STOP button twice to enter the Video Playback mode.
6. Press REC/STOP button to select the video file to be deleted.
7. Press and hold REC/STOP button to enter the Edit menu.

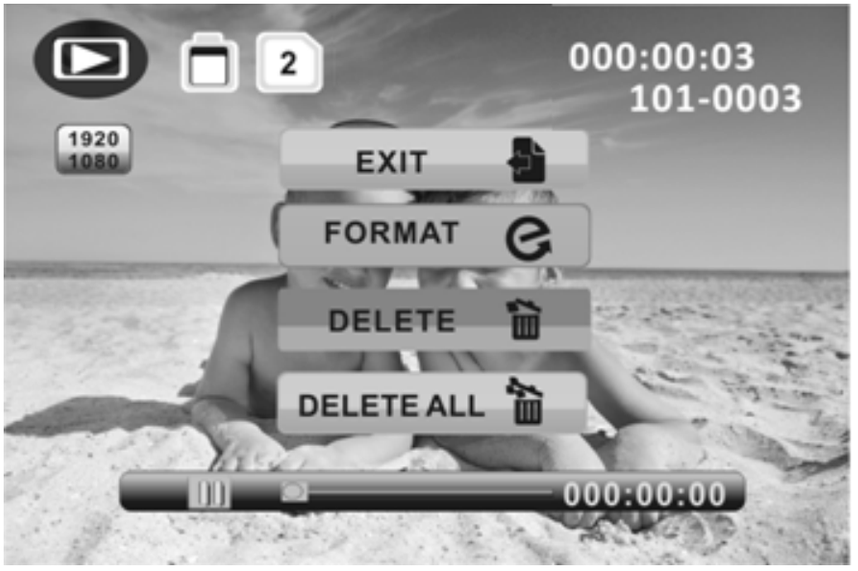
8. Quick press REC/STOP button shortly to select “DELETE” or “DELETE All”.
9. Press REC/STOP twice to enter to “Delete this file” or “Delete all files”.
10. Quick press REC/STOP button to select “Yes”.
11. Press REC/STOP button twice to confirm.



Formatting the MicroSD Card with TV in DV mode

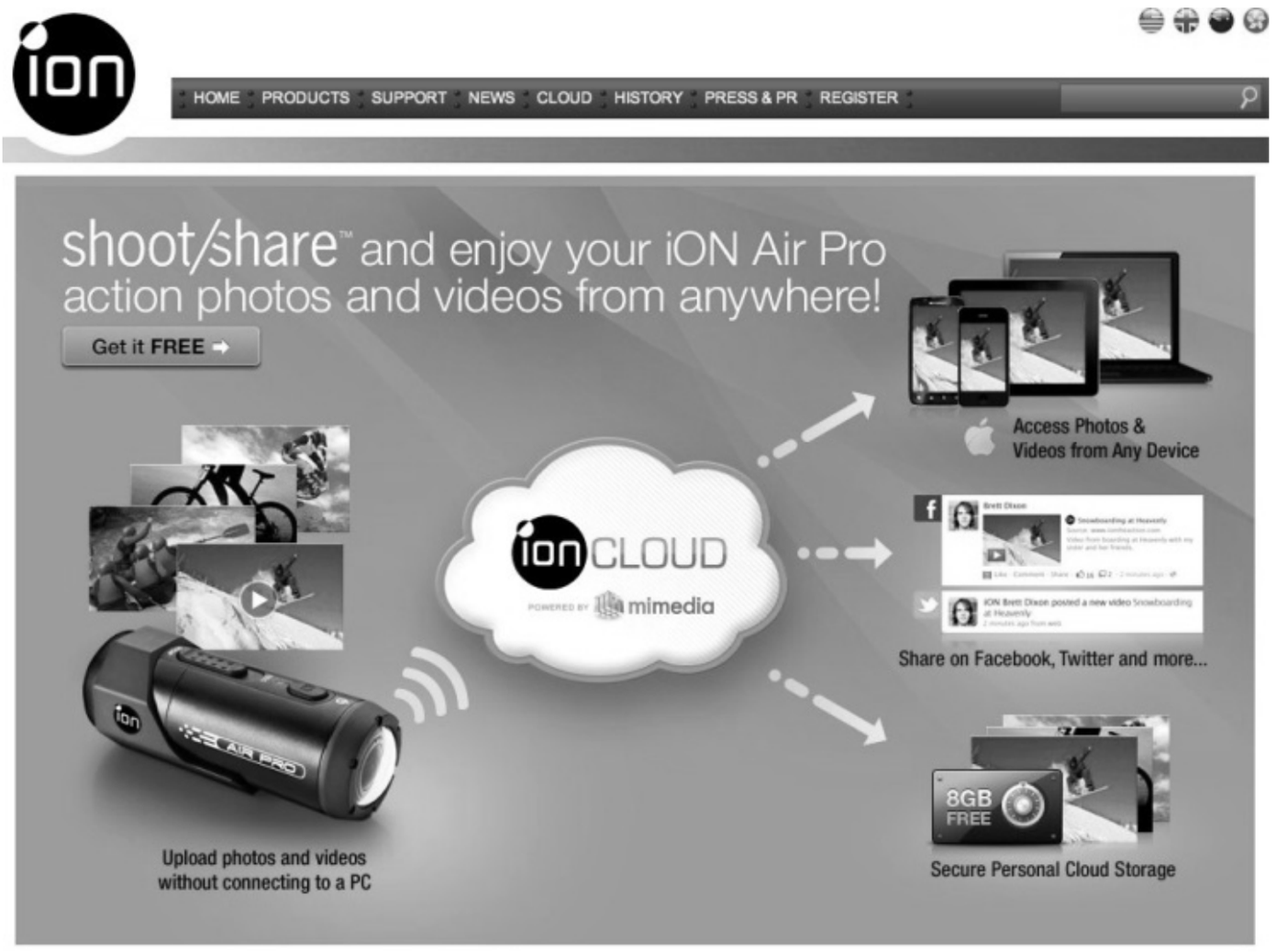
1. Slide the mode switch to position to enter into DV mode.
2. Install a MicroSD into the DV slot.
3. Press and hold REC/STOP button until the TV menu appears.
4. Quick press REC/STOP button to select Video mode
5. Press REC/STOP button twice to enter Video Playback mode.

6. Press and hold REC/STOP button to enter the Edit menu.
7. Quick press REC/STOP button to select “Format”
8. Press REC/STOP button twice to enter “Format” mode.
9. Quick press REC/STOP button to select “Yes” and press REC/STOP button twice to confirm formatting. The MicroSD will be formatted.



SIGNING UP FOR FREE iON CLOUD STORAGE

8GB of free Cloud storage will be provided for storing and sharing of video and photo content. Please visit www.ioncamera.com/ioncloud and sign up as a free member.


HOME PRODUCTS SUPPORT NEWS CLOUD HISTORY PRESS & PR REGISTER
shoot/share™ and enjoy your iON Air Pro action photos and videos from anywhere!
Get it FREE
Access Photos & Videos from Any Device
iON CLOUD
POWERED BY mimedia
Share on Facebook, Twitter and more...
8GB FREE
Secure Personal Cloud Storage
Upload photos and videos without connecting to a PC

USING KINOMAP SOFTWARE

Installing the Software

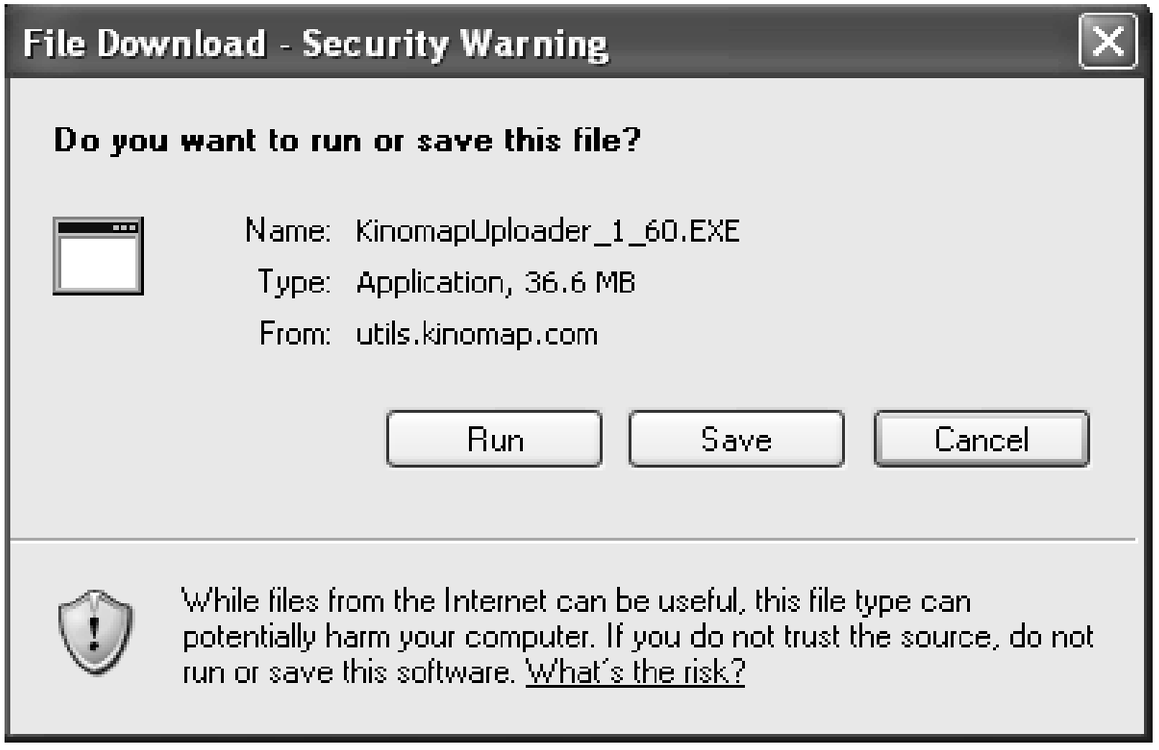
1. Visit http://ion.kinomap.com/ to enter Kinomap software download interface.

Search...
Selection
Spotlight, most viewed, ...
Sign up
It's easy and free
Sign in
To access all features
Settings
Fine-tune Kinomap
VIDEO
&
FITNESS
Kinomap
Trainer
KINOMAP
Video
UPLOAD A VIDEO
FILTER
< Back
Feedback
Kinomap Uploader PC v1.60
6556 reads - Updated on: 2013/07/04 20:52:06
Version information: 1.60#1.57#
http://utils.kinomap.com/downloads/uploader/KinomapUploader_1_60.EXE
Release notes:
#1.60 MAJOR UPDATE
- 1 pass conversion instead of 2
- multi-select video file so that you can finally avoid a prior step of converting to one single file when having cut video files because of FAT32 limitation of 4GB
- add a watermark in the video: just put a file 'watermark.png' in the exe folder of the app and activate watermark in the settings
- fetching speed from a TCX file
- new icons
- terms of use in English
- better use of the space for the chart (use full height)
- new version of ffmpeg and gpsbabel used

2. Click the link to download the Kinomap software from the webs

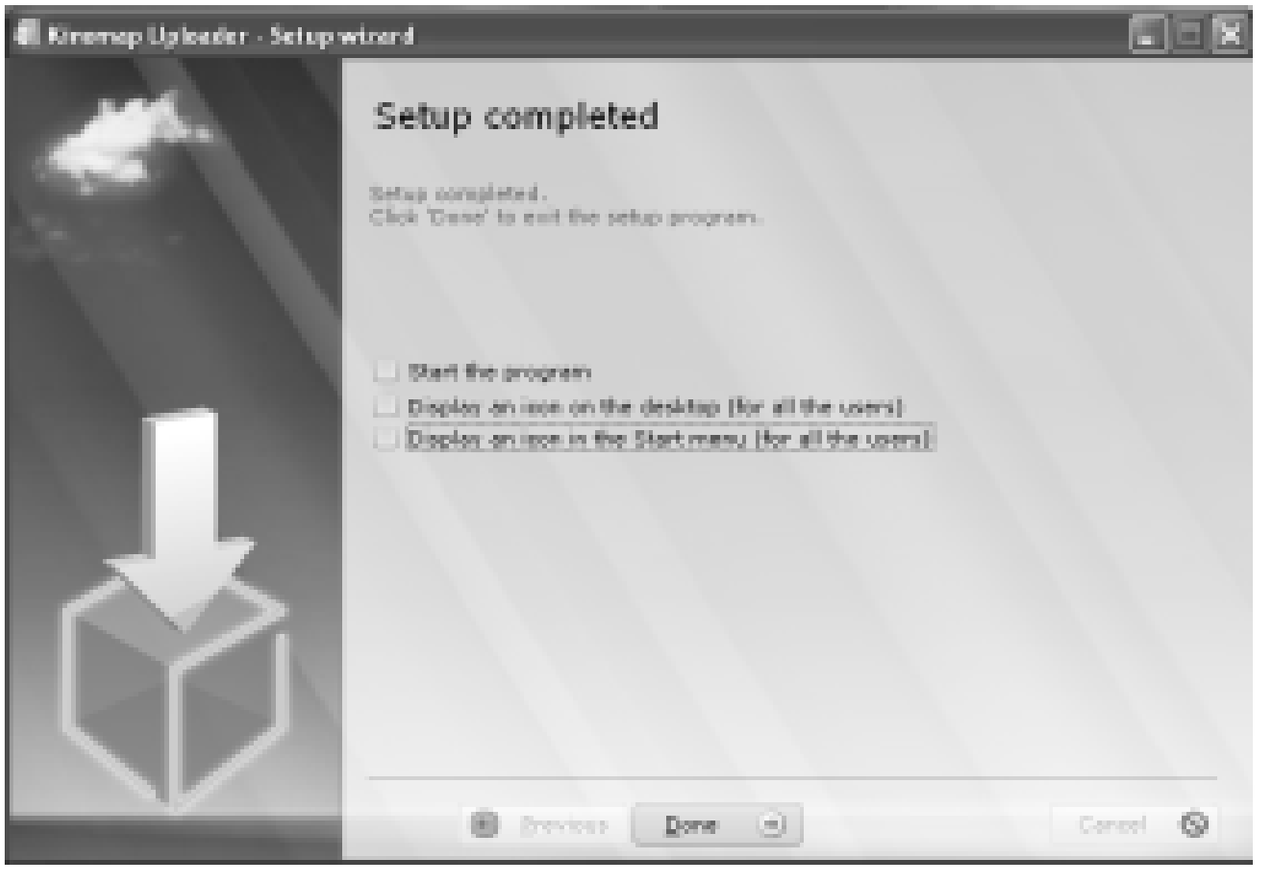
Selection
Sign up
Sign in
Settings
VIDEO
&
FITNESS
Feedback
Kinomap Uploader PC v1.60
Version information: 1.60#1.57#
Release notes:
#1.60 MAJOR UPDATE
- 1 pass conversion instead of 2
- multi-select video file so that you can finally avoid a prior step of converting to one single file when having cut video files because of FAT32 limitation of 4GB
- add a watermark in the video: just put a file 'watermark.png' in the exe folder of the app and activate watermark in the settings
- fetching speed from a TCX file
- new icons
- terms of use in English
- better use of the space for the chart (use full height)
- new version of ffmpeg and gpsbabel used
KINOMAP
Video
UPLOAD A VIDEO
FILTER
Click this link
File Download - Security Warning
Do you want to run or save this file?
Name: KinomapUploader_1_60.EXE
Type: Application, 36.6 MB
From: utils.kinomap.com
Run
Save
Cancel
While files from the Internet can be useful, this file type can potentially harm your computer. If you do not trust the source, do not run or save this software. What's the risk?

3. Click “Run” to start the download.

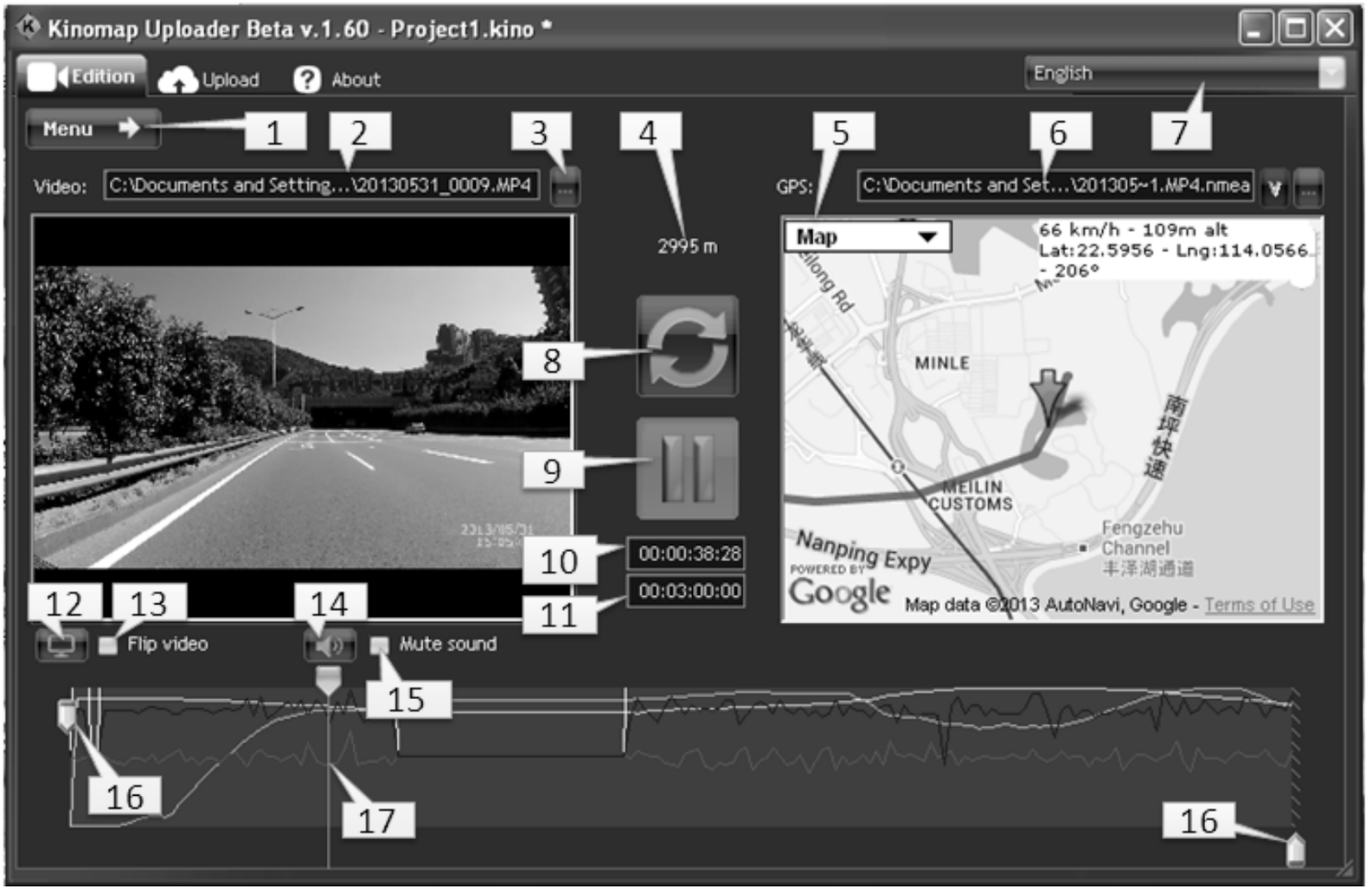

File Download - Security Warning
Do you want to run or save this file?
Name: KinomapUploader_1_60.EXE
Type: Application, 36.6 MB
From: utils.kinomap.com
Run
Save
Cancel
While files from the Internet can be useful, this file type can potentially harm your computer. If you do not trust the source, do not run or save this software. What's the risk?

4. Install the Kinomap software on your computer by double clicking the “KinomapUploader_X_XX. EXE.
5. Choose a Language and click the [OK] button to confirm.

6. Follow the simple instructions on the "Setup Wizard dialogue box", read the explanation, click the [Next] button to complete the software installation process.
7. When the installation is complete, click the [Done] button to exit.


Setup completed
Done

Explanation of the Main Screen



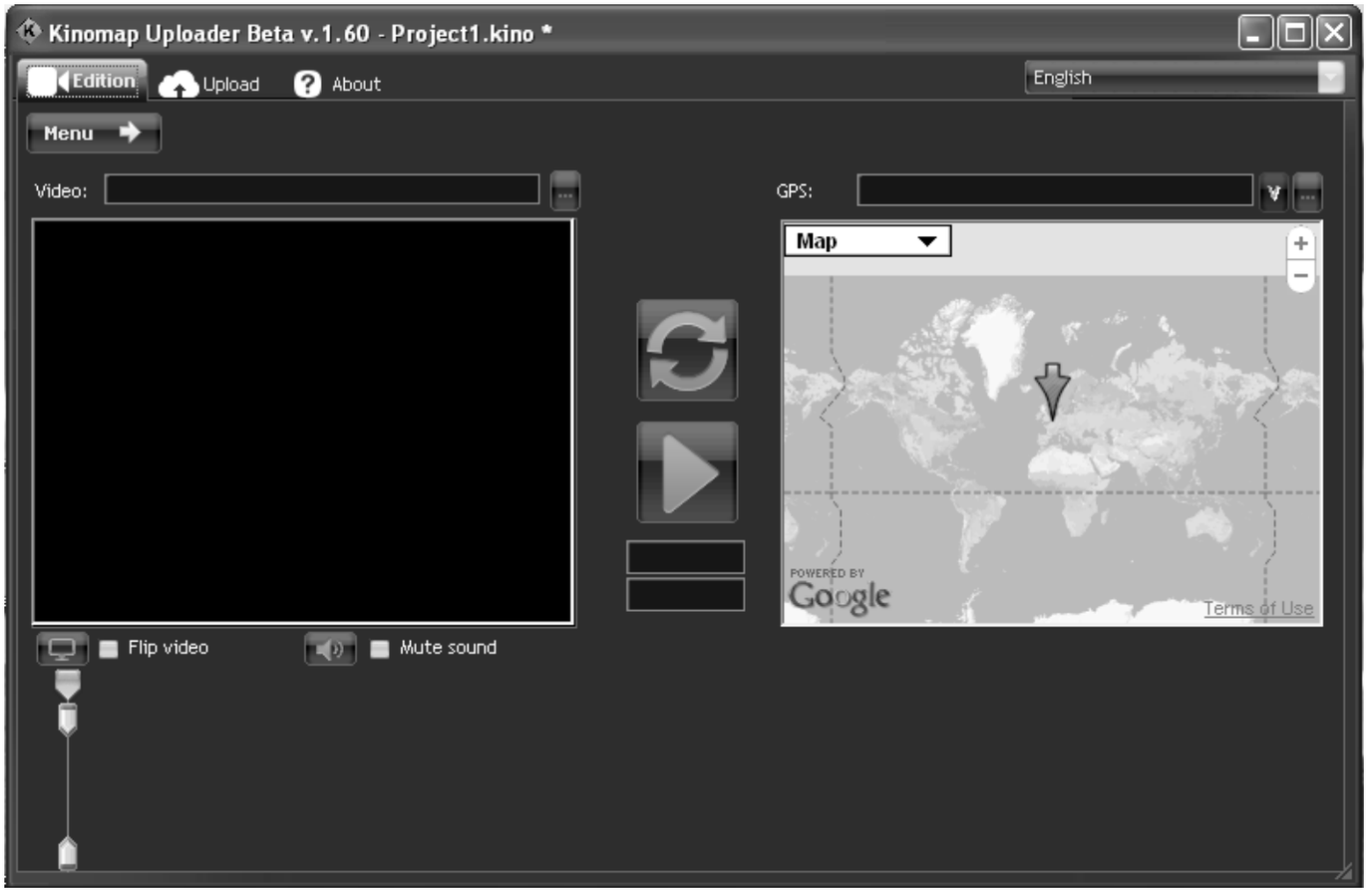
1	Project Menu	Click this button to create, open, save project	• New project • Open project … • Save as… • Save • Recent project
2	Video Path	Shows the path of the video file stored in your computer	
3	Import Button	Click this button to call out the file folder checkbox, select a video or photo file and import it into the Kinomap software.	
4	Track Length	Shows the length of the track	
5	Map Form	Displays the track on the map in different view	• Map • Satellite • Hybrid • Terrain
6	GPS Path	Shows the temporary path of the GPS file stored in your computer	
7	Software Language	Shows the current software language	• English • French
8	Refresh Button	Use this button to synchronize the video and GPS when they are not recorded at the same time	
9	Play/Pause Button	Press here to play or pause the video	

10	Current Video Playing Time	Shows the elapsed playing time of the current video	
11	Total Video Recording Time	Shows the whole video recording time	
12	Full Screen Button	Click this button to display the video in full screen. Double click the screen to exit full screen.	
13	Flip Video Button	Click this button to get a reversed view of the video	
14	Volume Adjustable Button	Click this button to adjust the volume during video playback	
15	Mute Button	Eliminates the volume by marking the checkbox	
16	Start//End Bar	Selects only a part of the video by trimming at the beginning (start bar) and end (end bar) before uploading the track to Kinomap.	
17	Progress Bar	Shows the progress of the video being played	

Starting Up

Please make sure your computer is accessible to internet when using the Kinomap software.

Open the Kinomap software on your computer.

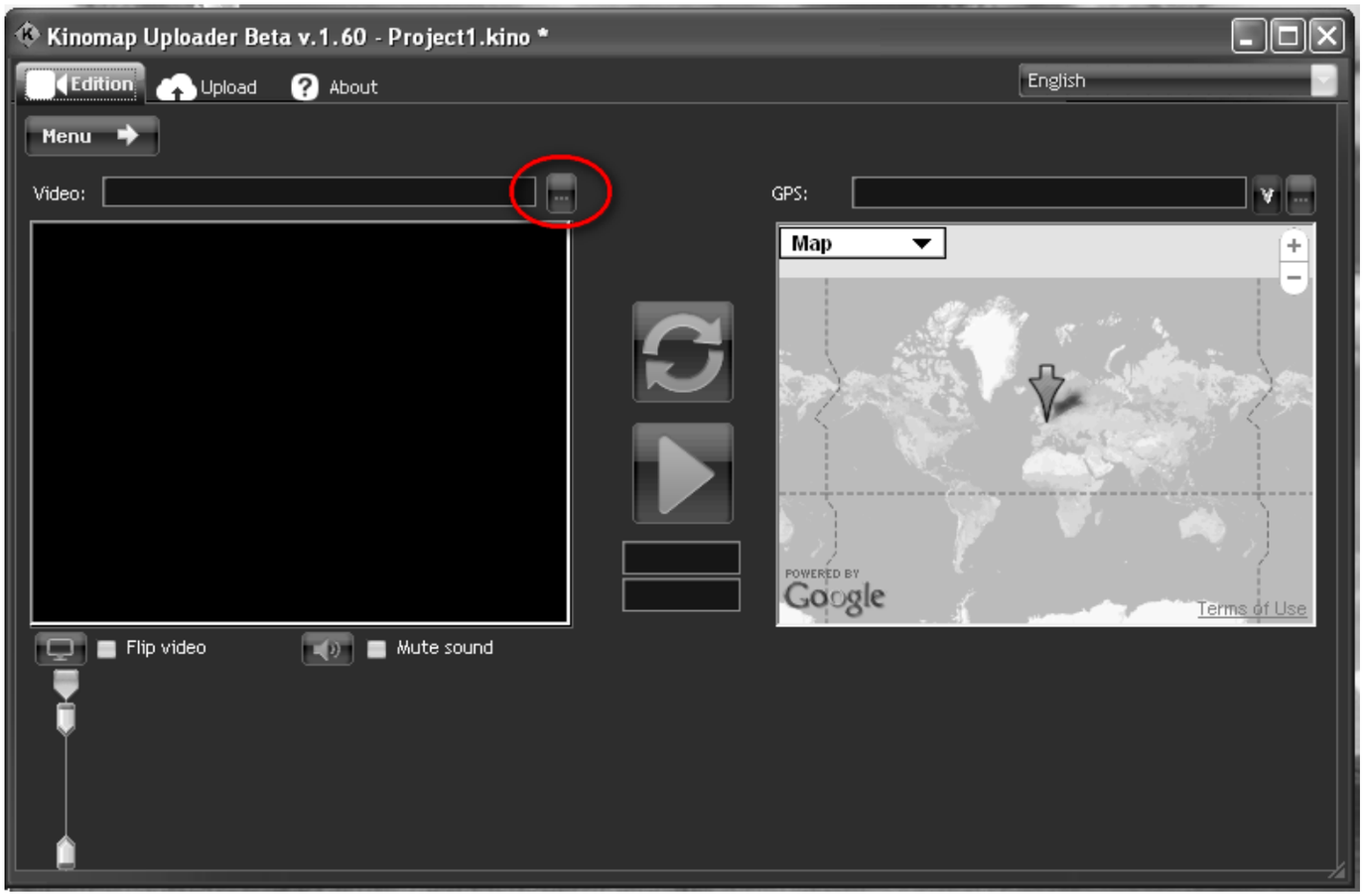


Notes:

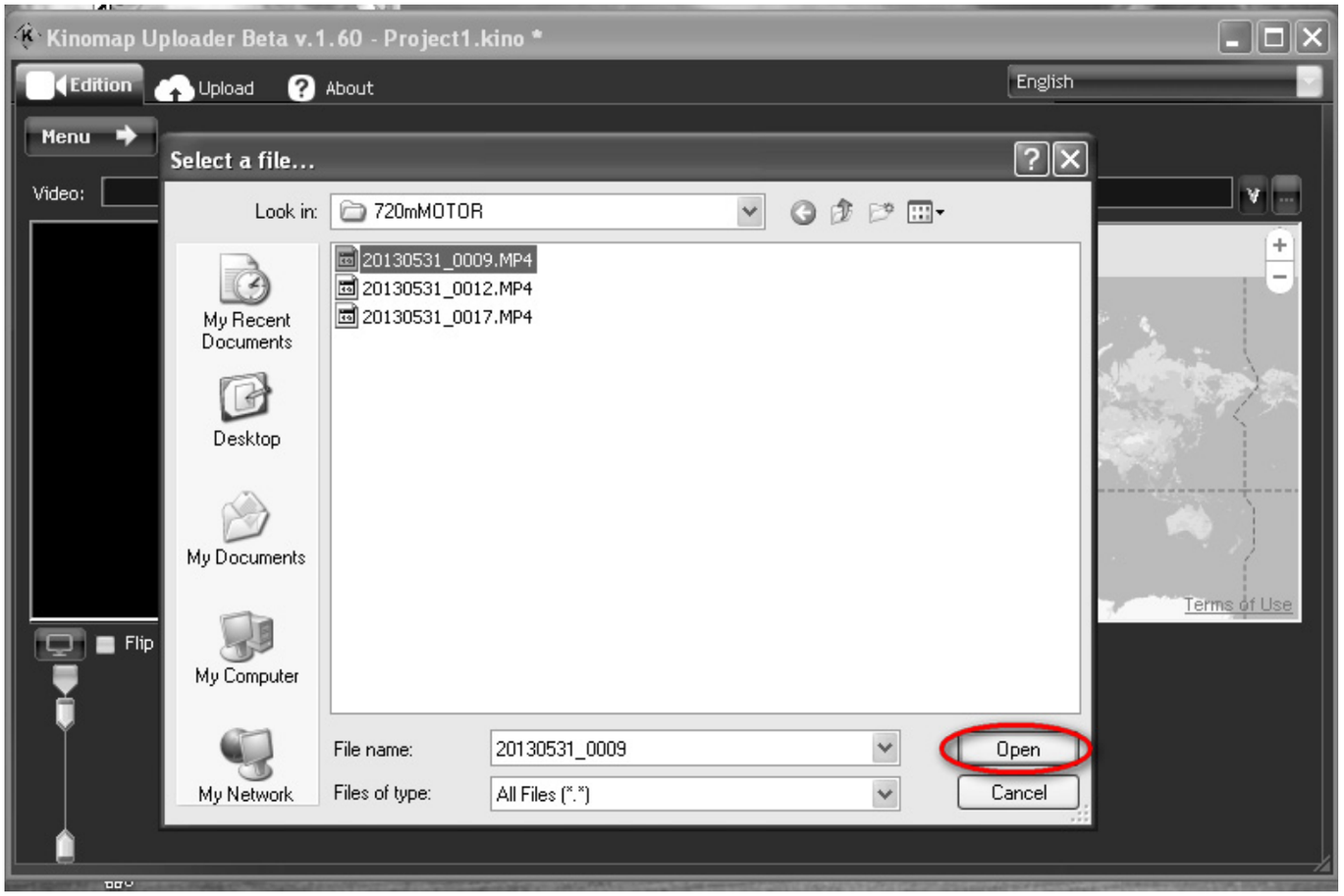
1. The first time you import a video into the software, there will be a pop-up message reminding you to download a software named FF Show. Follow the prompt message to download and install the software onto your computer.
2. The version number may vary due to software upgrades.
3. You can see the current software version at the top left corner of the interface.
4. When the software detects a new version, a message “A new version is available” will appear at the top of the window. Click it to upgrade your current software version to a newer version.

Importing Video

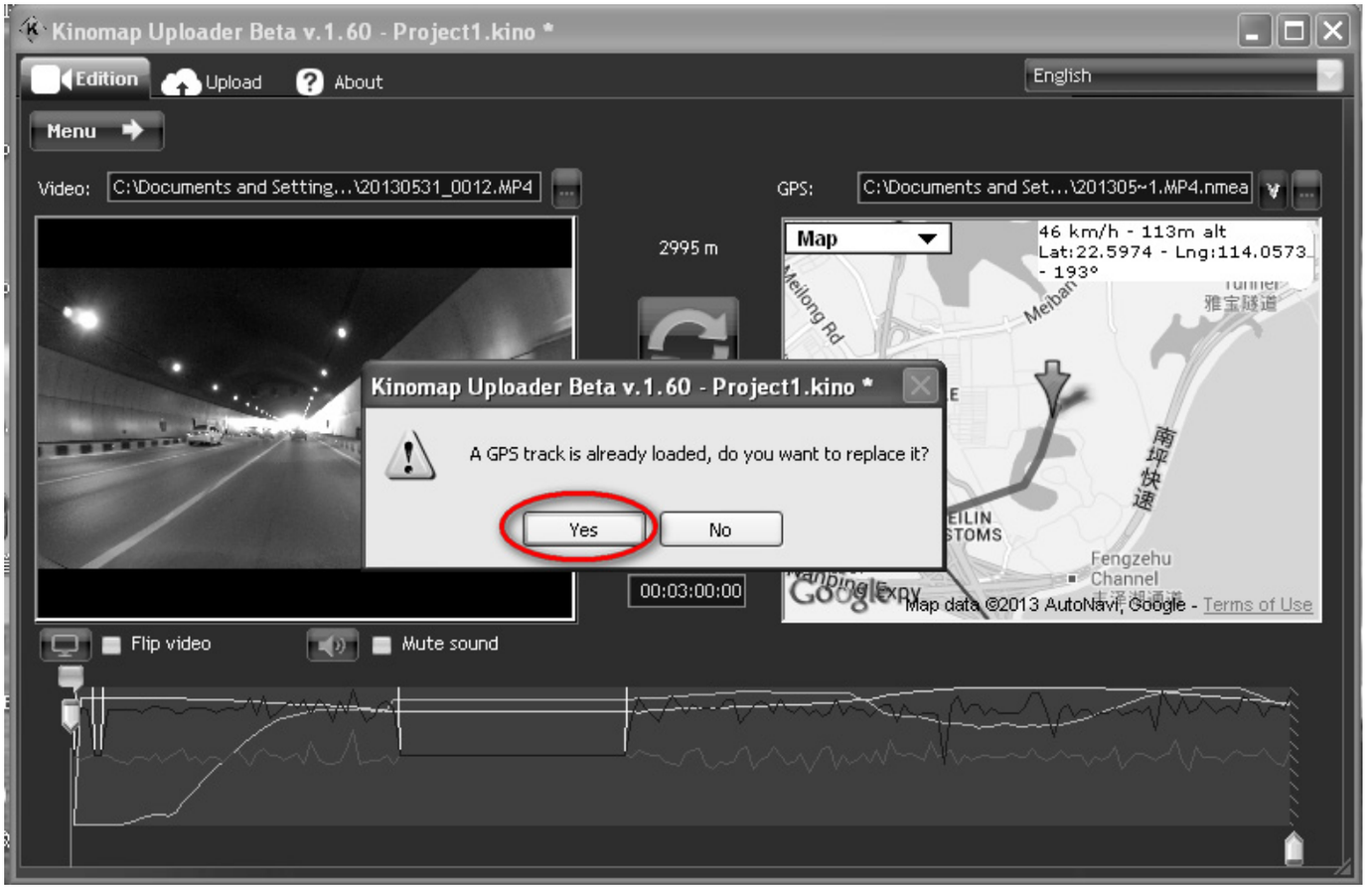
1. Press to import a video into the Kinomap software.



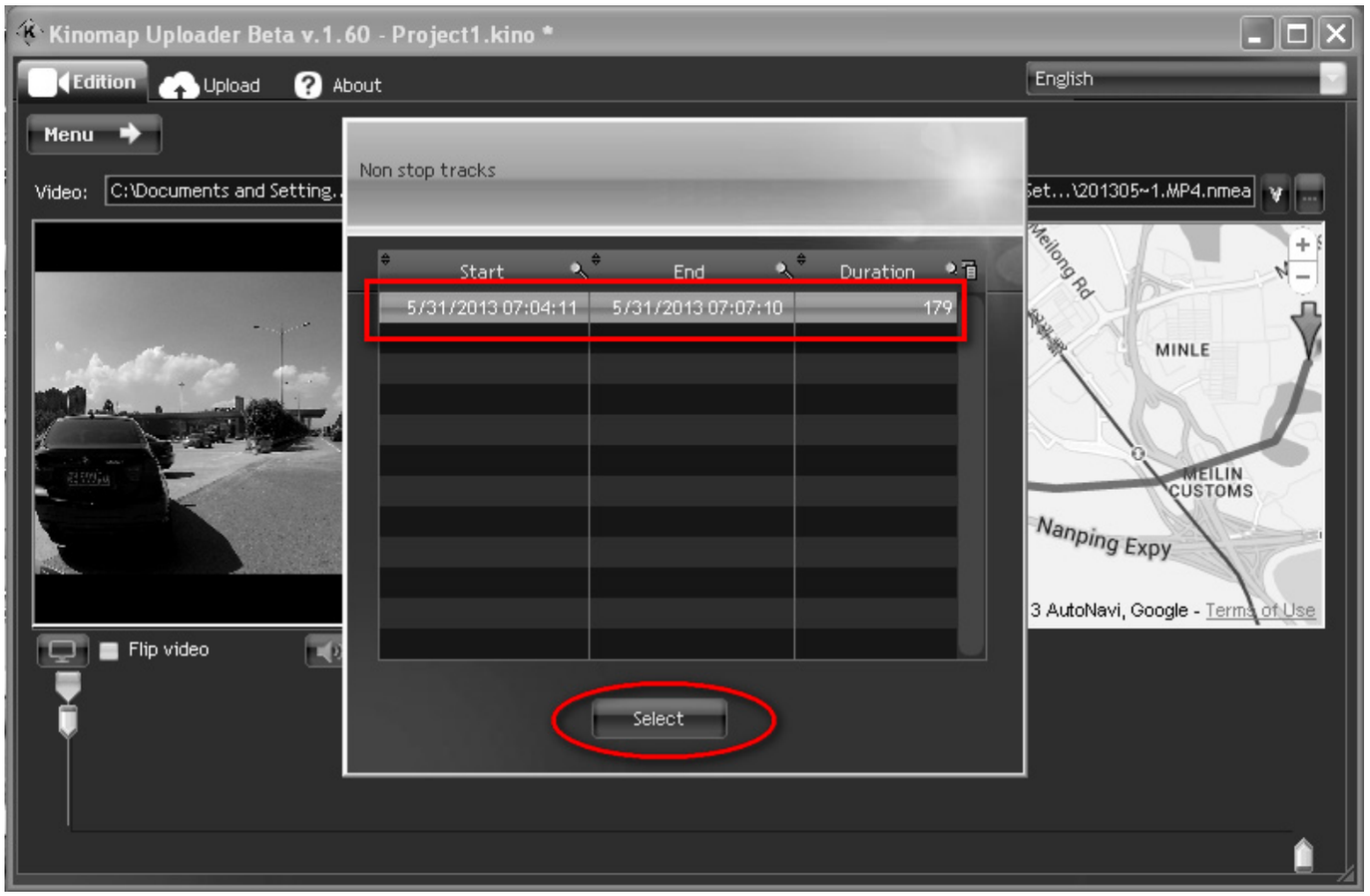
2. In the “Select a file…” dialogue box that pops up, select your targeted video file from your computer, click the [Open] button to import the file.



If you are importing a new video while you are playing the current video. A confirmation message will pop up on the warning dialogue box. ” A GPS track is already been loaded, do you want to replace it?” Click “Yes” to confirm and import a new video.



3. In the “Non stop tracks” window that pops up, the video Start time, video End time and video Duration will be displayed in the window.
   Click the [Select] button to confirm.

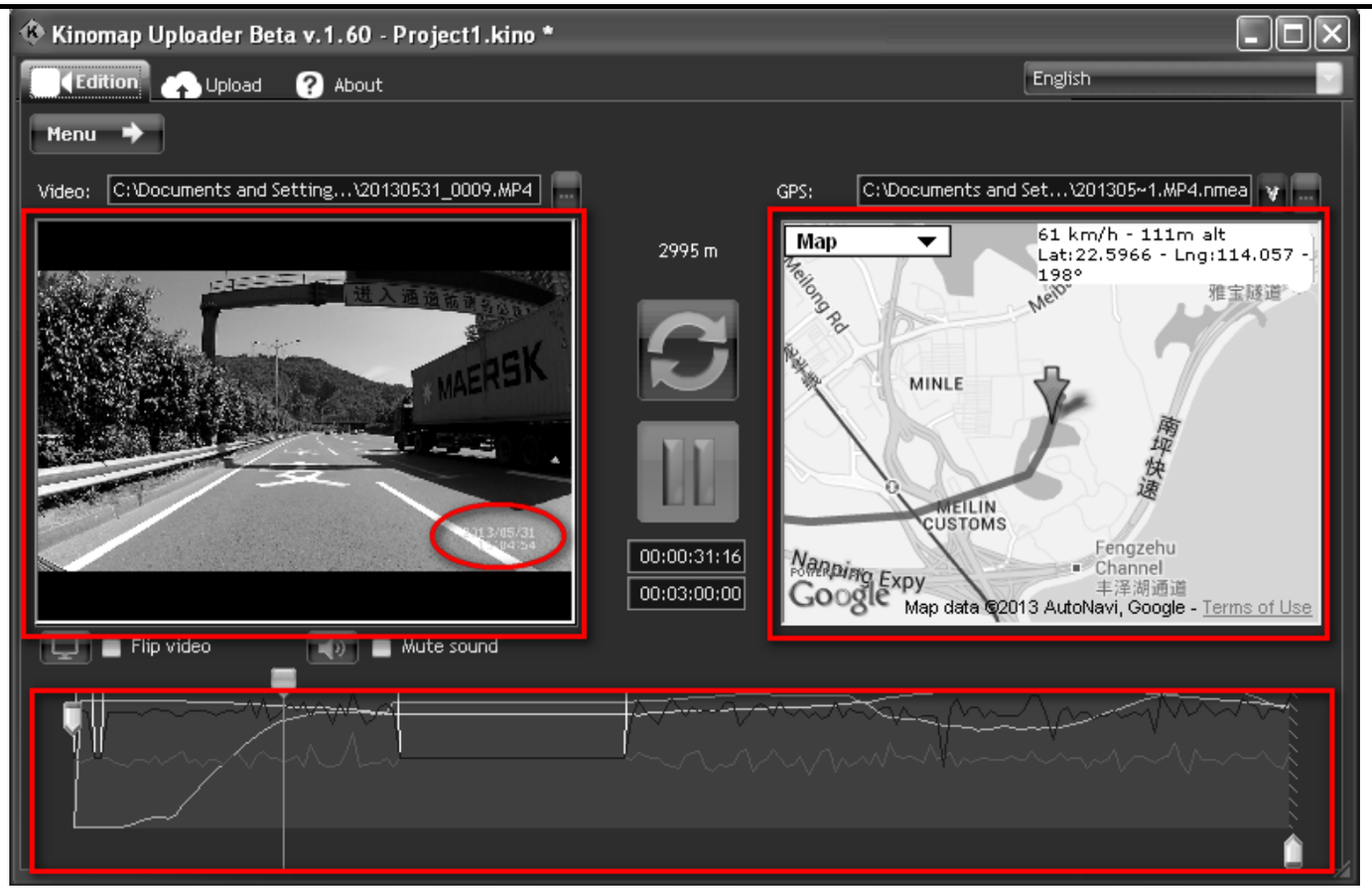


4. The video will then be imported successfully into the Kinomap software.

Playing a Video

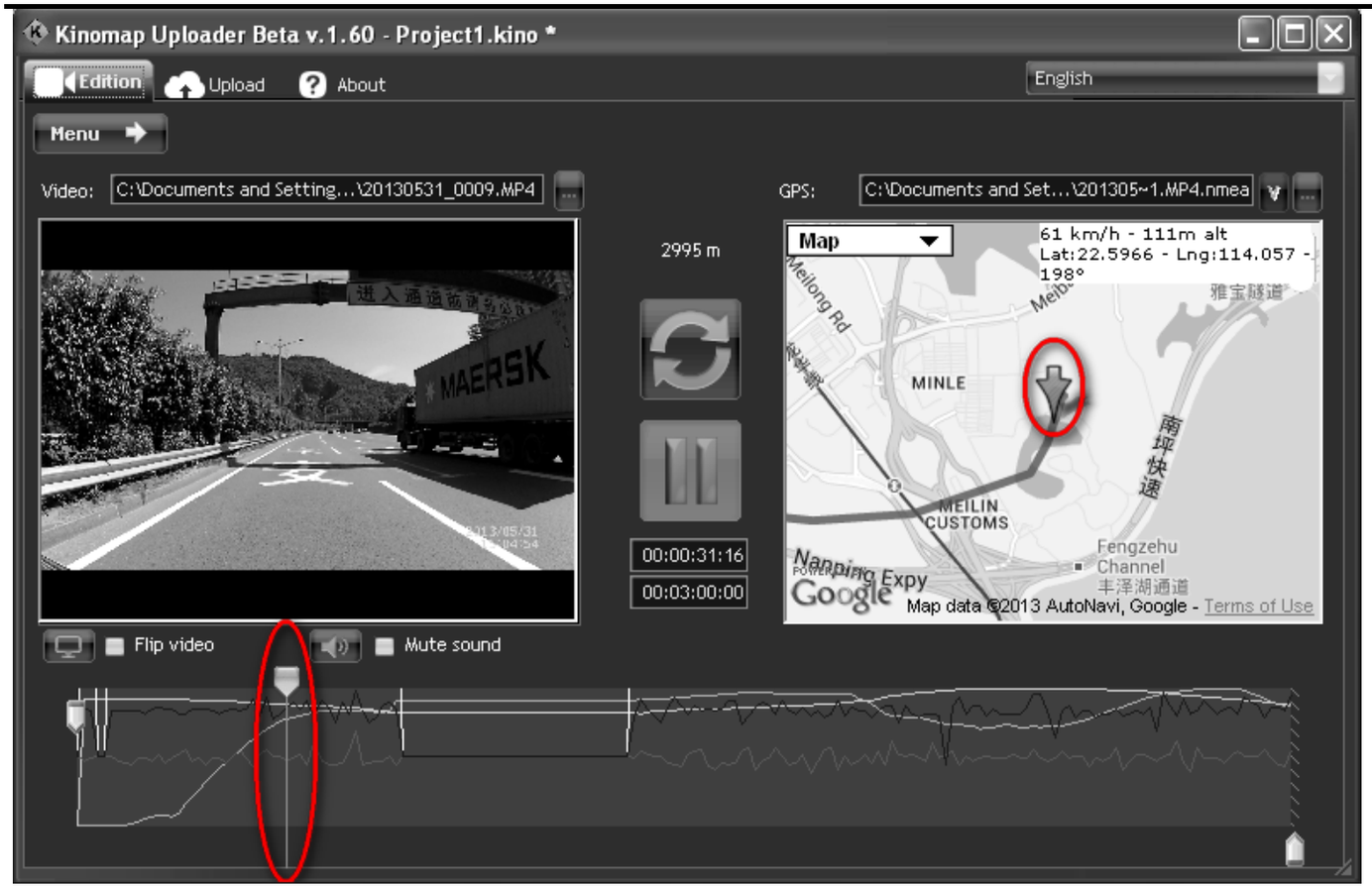
Click to start playing the video, the button will then be changed to accordingly. The video on the left side of the window will start playing.

a. Date and Time information will be displayed on the video. Meanwhile, the corresponding track of the video will be shown simultaneously on the Map on the right side and the statistics chart of the video will also be displayed at the bottom of the window.



b. The arrow on the track of the map will react to the playing of the video.
When the subject in the video is moving, the arrow in the map will move;
When the subject in the video is stationary, the arrow will remain still.

c. The Progress bar on the bottom of the statistics chart is always in line with the progress of the video playing.



To pause the video, press the Pause button, the button will then change to the Play button.

Creating a New Project

By creating a new project, you can clear the current project to get ready for importing new videos. The upload information of the current video will be cleared.

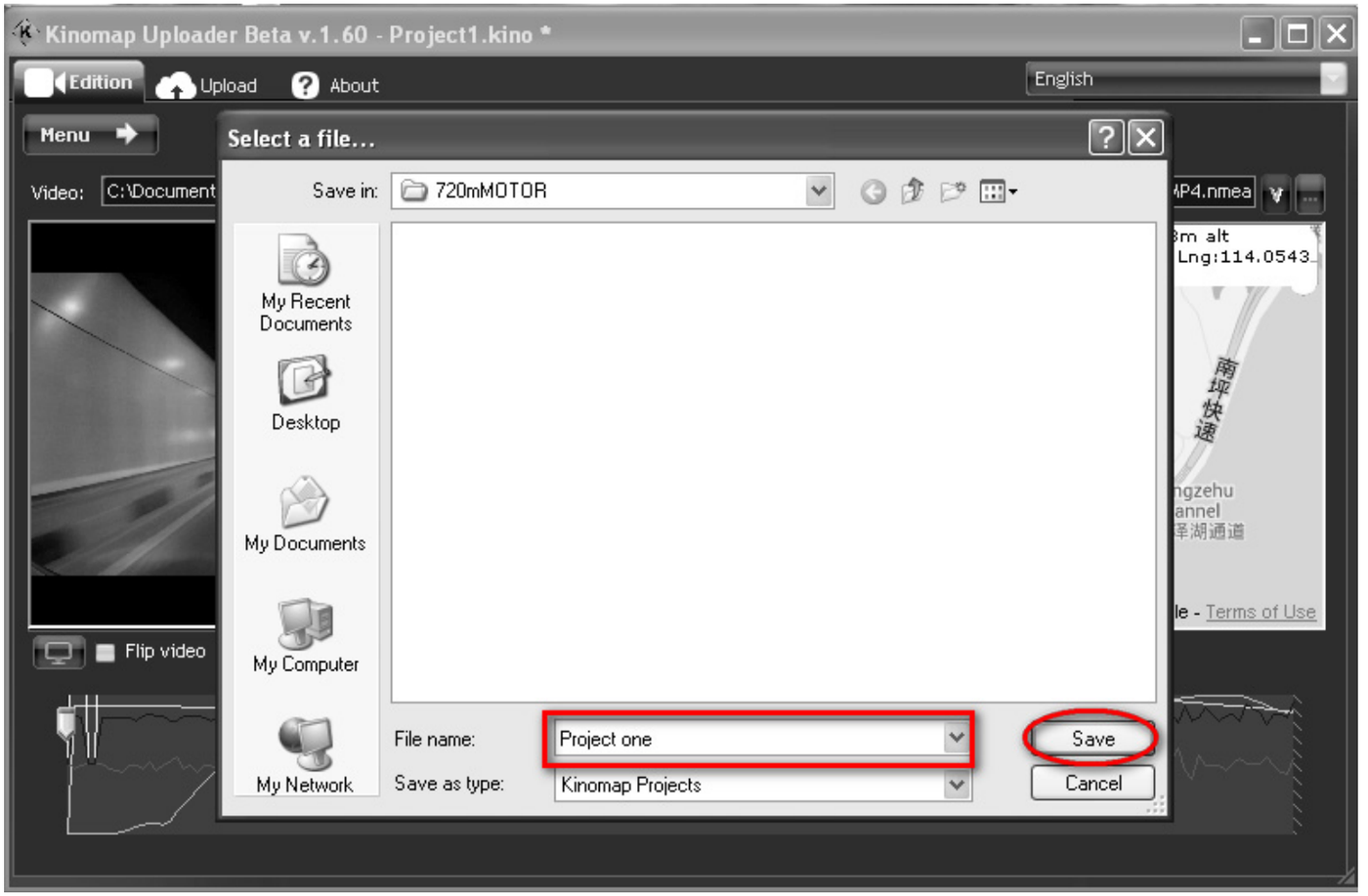
Kinomap Uploader Beta v.1.60 - Project1.kino *
Edition
Upload
About
English
New project
Open project...
Save as... Ctrl+Shift+S
Save Ctrl+S
Recent projects
Video:
GPS:
C:\Documents and Set...\201305~1.MP4.nmea
2995 m
Map
Bailong Rd
Xinqu Ave
Guangdong
Shenzhen St Moritz
Golf Training Field
广东深圳圣莫丽
斯高尔夫练习场
Yulong
Motorway
Interchange
玉龙立交
Niuzui Bridge
Google
Map data ©2013 AutoNavi, Google - Terms of Use
00:02:59:96
00:03:00:00
Flip video
Mute sound

Saving the Current Video as a Project

By saving the current video as a project, you can easily reopen the video next time.

1. Click the [Menu] button and select “Save as …” option,

2. Select the targeted save location, input file name for the project, click [Save] button.

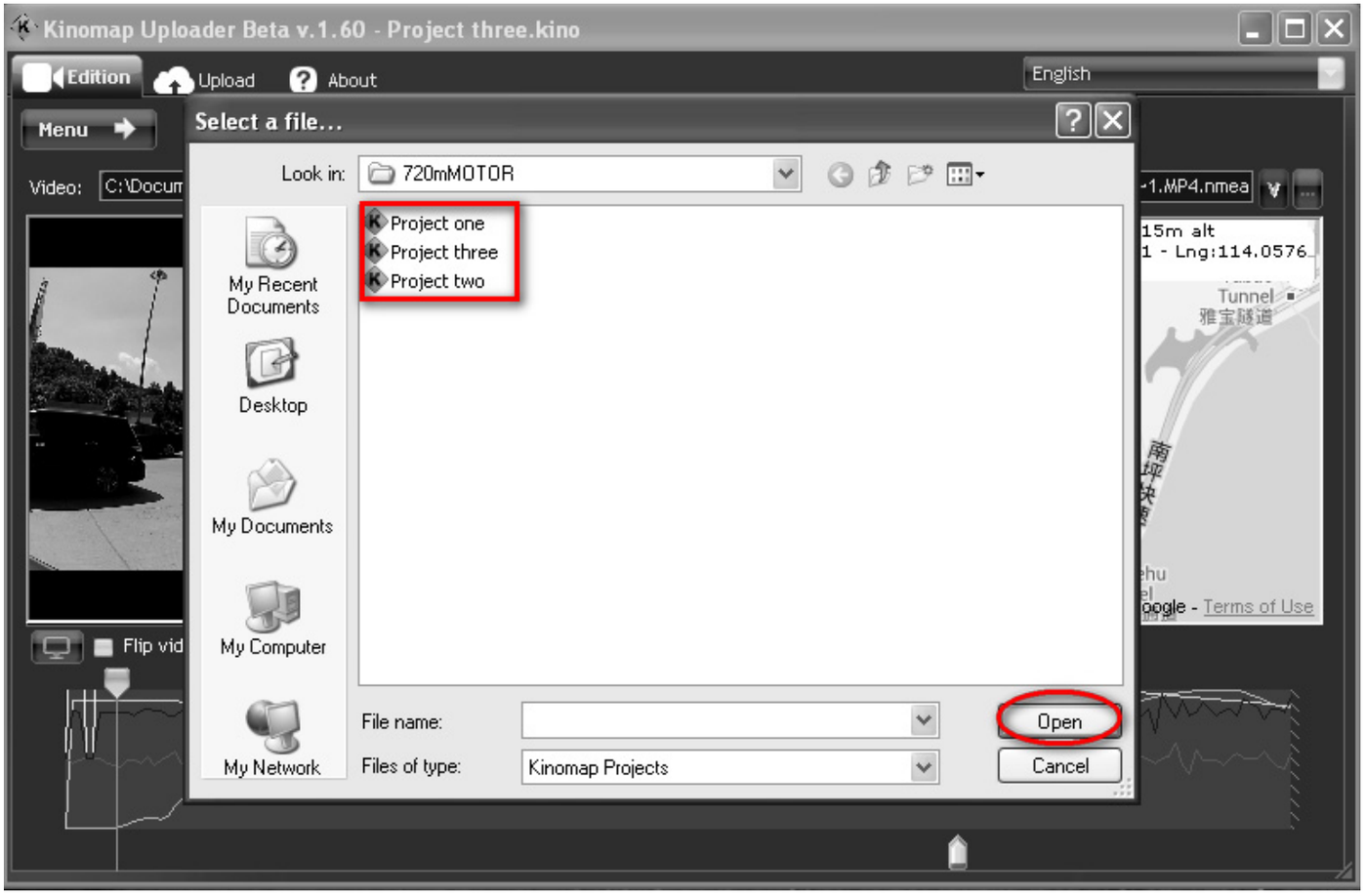


3. The current video will then be saved as a Project. You can use the same method to save more videos as projects.

Opening a Project

1. Click the [Menu] button and select “Open project …” option.

2. Click one of the projects already saved and then click the [Open] button to play it.



To open a recent project

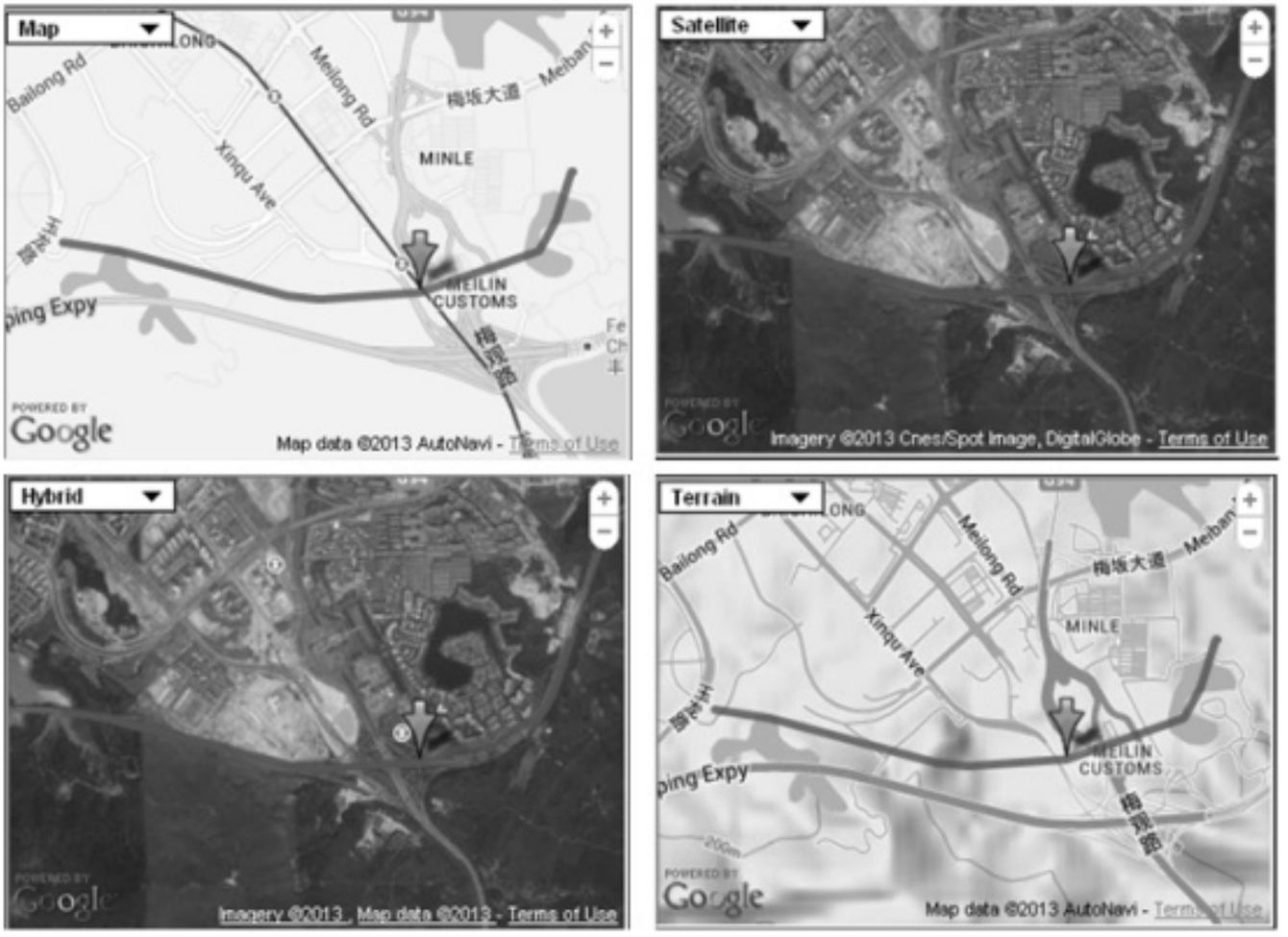
1. Click the [Menu] button and select the “Recent projects” option.

2. Click one of the recent projects to directly open it.

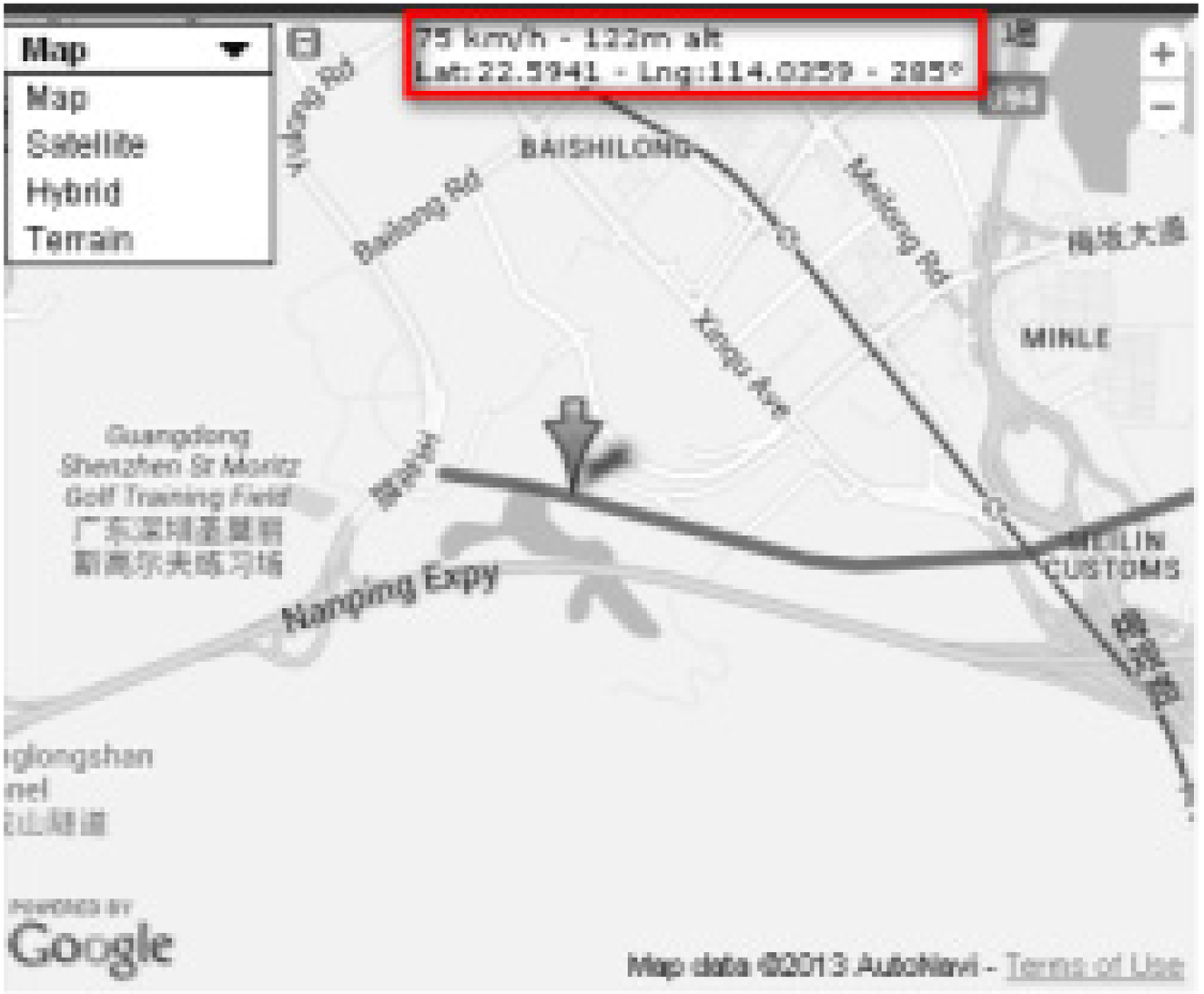
Changing Map View and Checking Map Information

1. You can select different forms of map by selecting the options in the drop-down box.

Select an option from “Map”: Satellite, Hybrid and Terrain. Different Map views will be presented accordingly



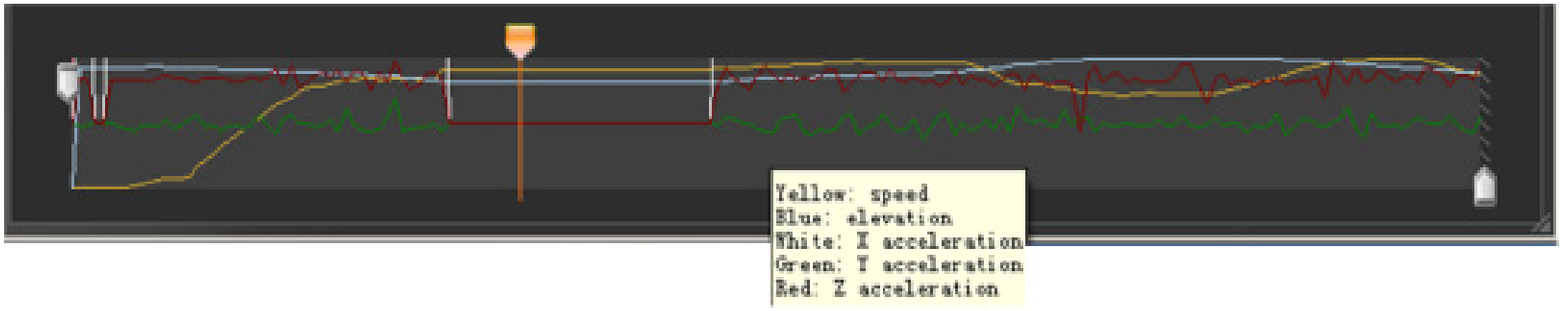
2. You can check the speed, altitude, latitude, longitude and bearing degree of the ongoing track.


Map
Map
Satellite
Hybrid
Terrain
75 km/h - 122m alt
Lat:22.5941 - Lng:114.0259 - 285°
BAISHILONG
Baishilong Rd
Meilong Rd
Xinqiu Ave
MINLE
Guangdong
Shenzhen St Moritz
Golf Training Field
Nanping Expy
CUSTOMS
Google
Map data ©2013 AutoNavi - Terms of Use

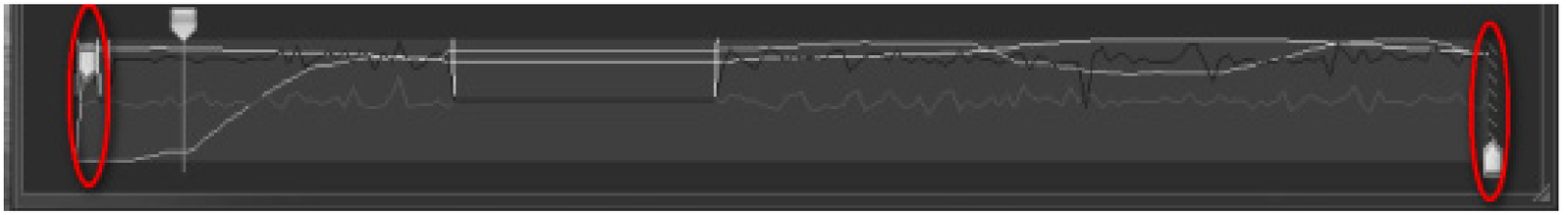
Introduction of the Statistics Chart

When hovering your mouse over the curves in the center section of the chart, a legend will appear for the chart.

1. The Yellow line represents the speed, Blue line represents the elevation, White line represent the X acceleration, Green line represents Y acceleration while the Red line represents the Z acceleration.



2. Select only a part of the video by trimming at the beginning (Start bar) and at



the end (End bar) before uploading the track to the Kinomap website.

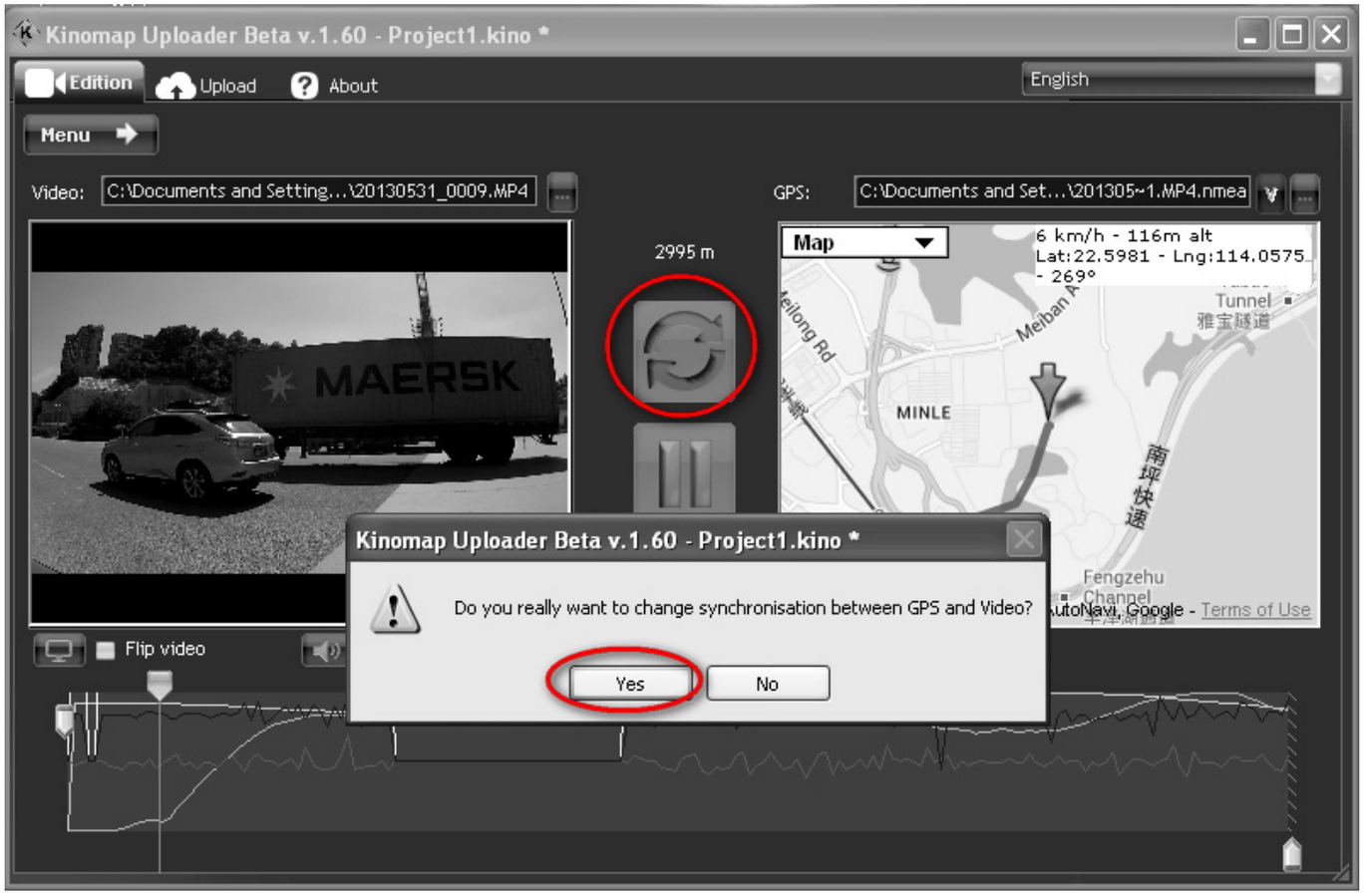
3. The grey area in the Statistics chart implies no GPS signal has been recorded in that video track section.

Synchronizing the Video and GPS

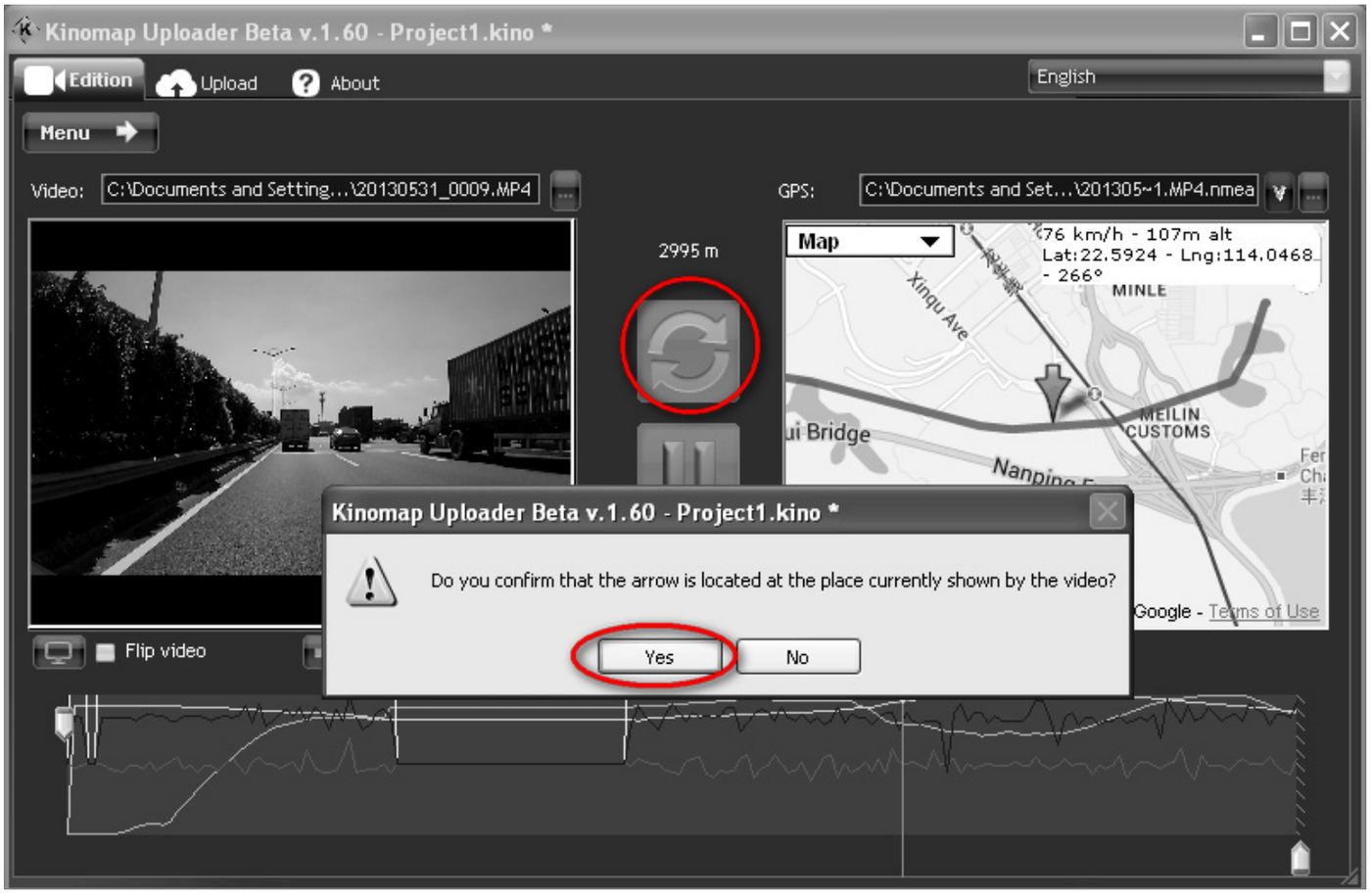
This software is used to associate a video file with a GPS file recorded at the same time. Both can be started and stopped at a different moment but they need to be overlapped for a few seconds. When the video and GPS data are not recorded at the same time exactly, you can define the offset.

You can synchronize them by clicking the Refresh button: in this mode you can drag and drop the arrow on the map to match the location of the video. You can use a cross light, a stop sign, or whatever you can see both in the satellite view and in the video view, as a location marker to synchronize the video. When you are done, exit this mode by clicking on the refresh button again.

1. Click the Refresh button. In the warning message box that pops up, click “Yes” to confirm. The arrow on the map will no longer react to the playing of the video.

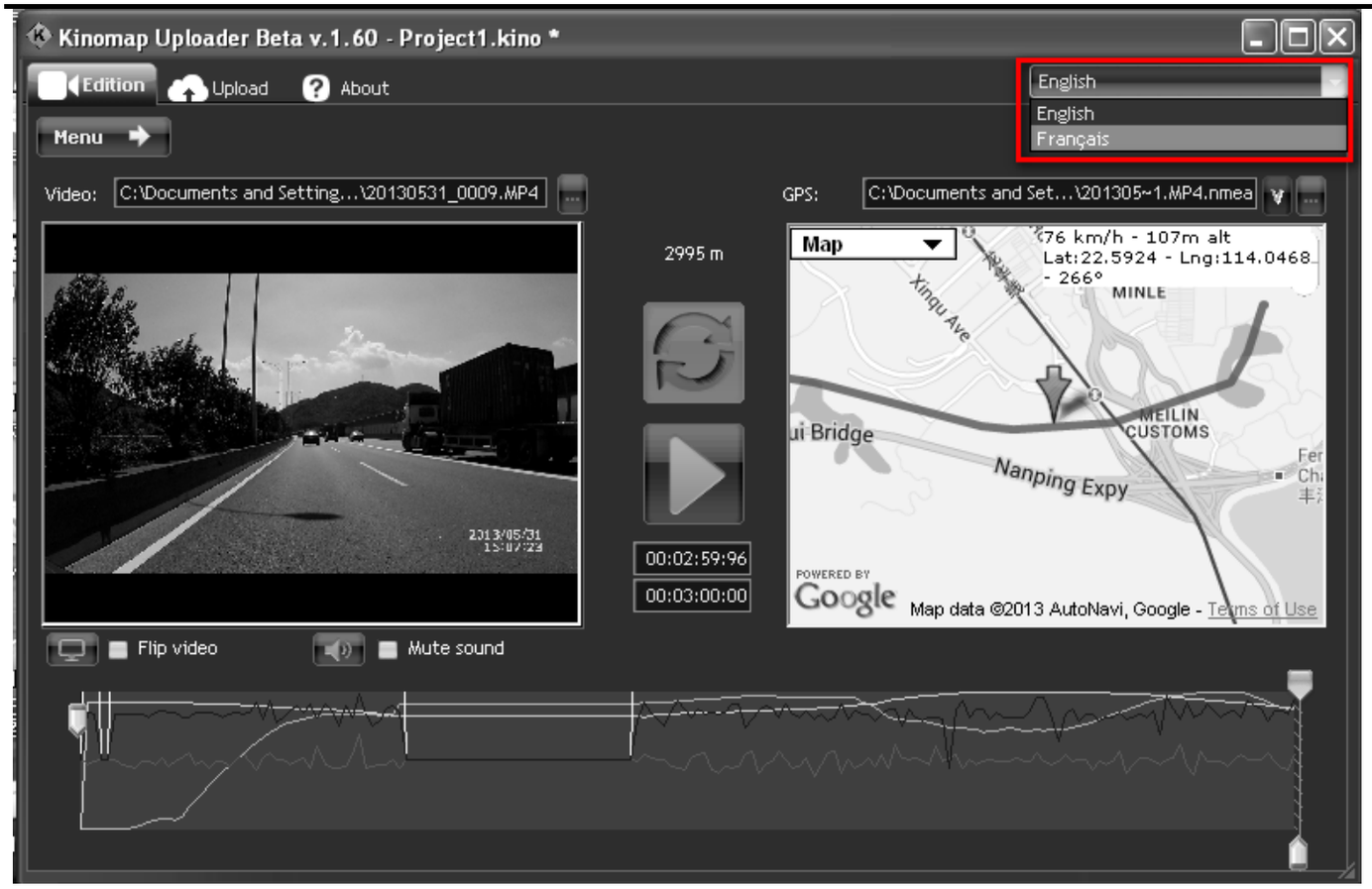


2. Drag and drop the arrow on the map to match the location of the video. Click the Refresh button again to synchronize and resume the movement of the arrow.



Changing the Software Language

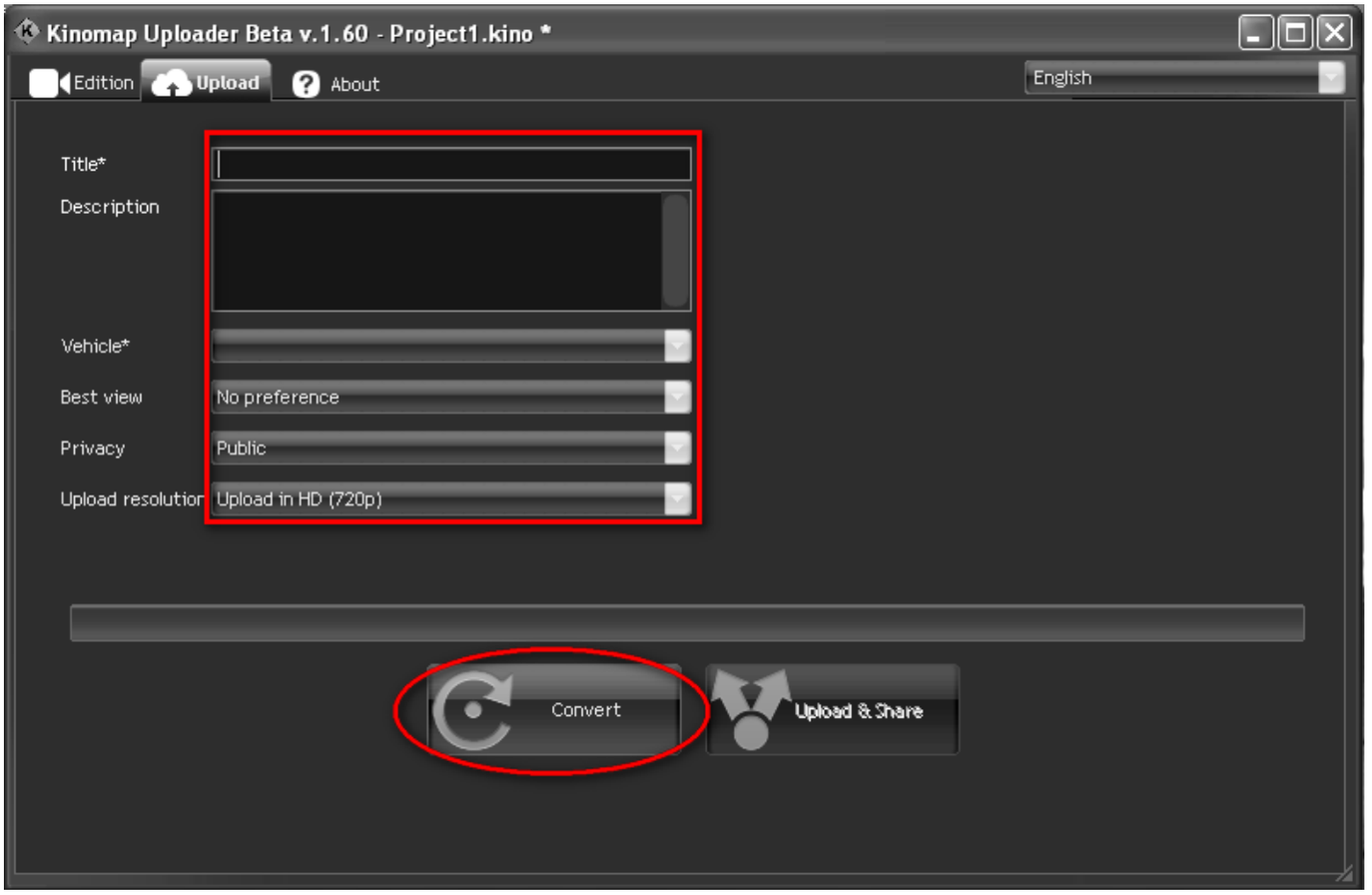
Select the software language in the drop-down box.



Uploading a Track to Kinomap Webpage

1. Click the [Upload] button to enter the Upload interface.

2. Complete the upload information below and click the [Convert] button to prepare a lighter version of the video for faster transfer. Cut the beginning and end if required (refer to section “Introduction of the Statistics Chart”, point 2) and then upload to transfer the files for integration on www.kinomap.com.

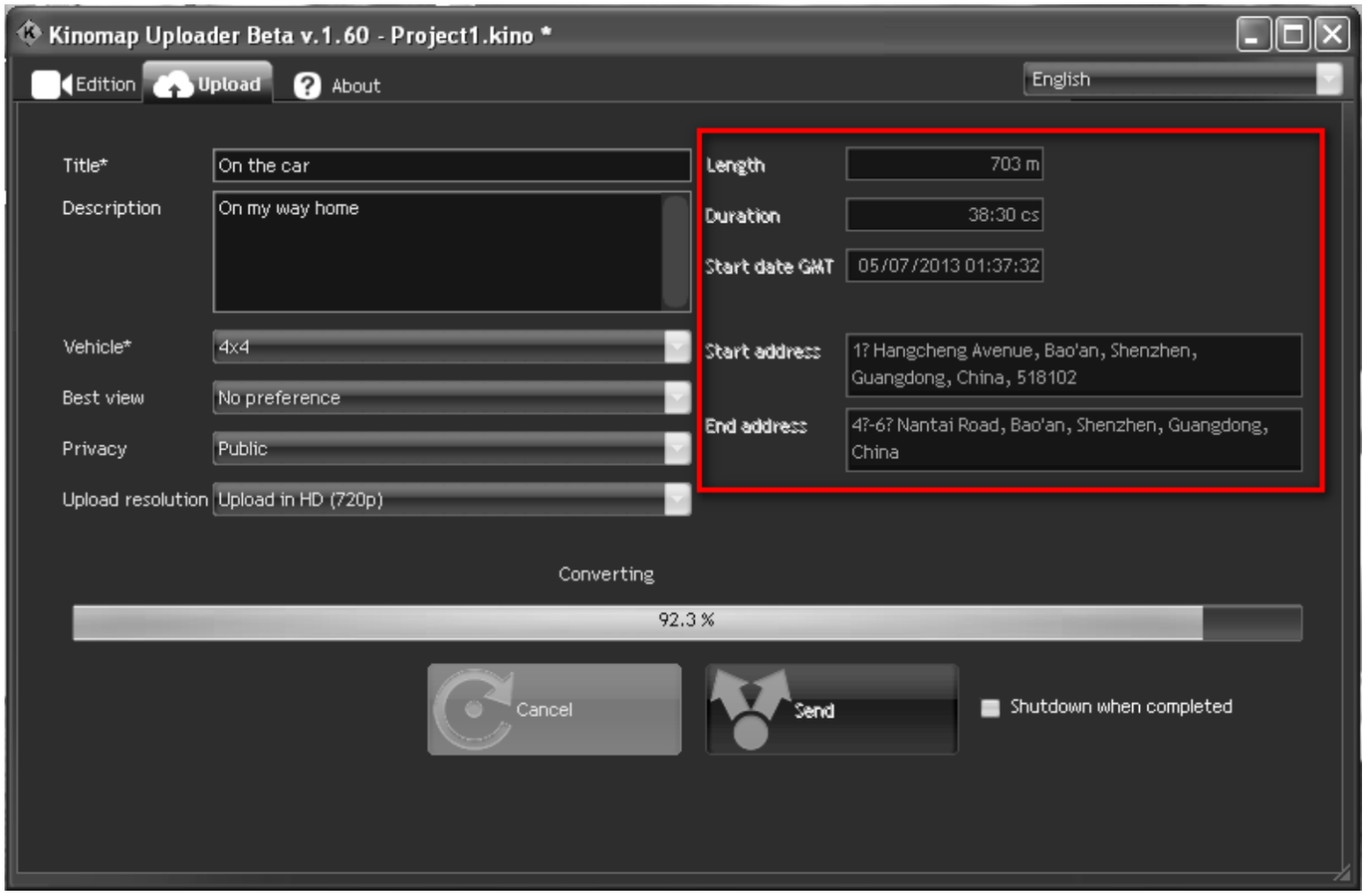


Note: After conversion, the file will be compressed to a smaller size and a lower resolution

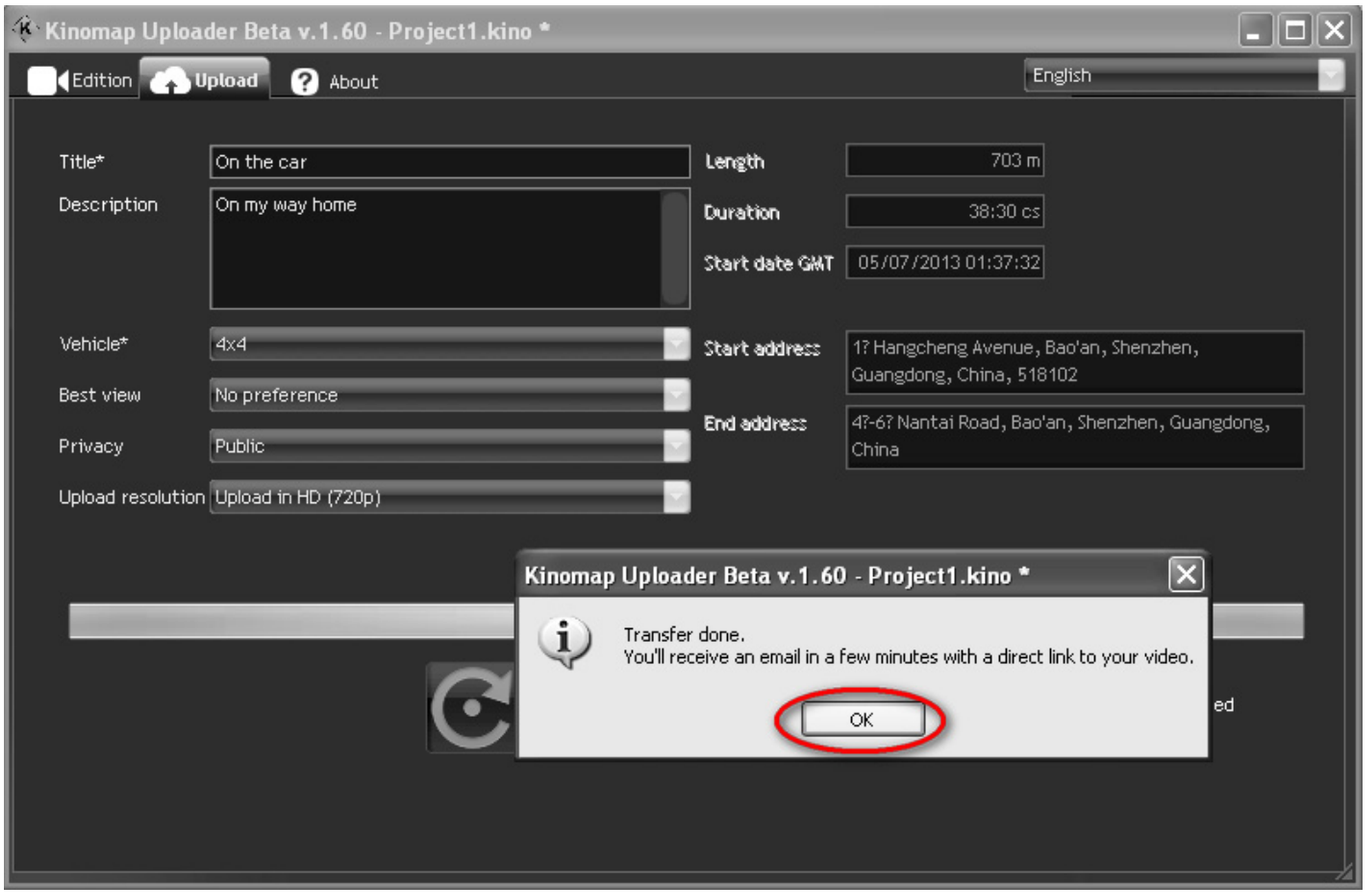
3. You need to login before conversion. Enter your Login and password accordingly; click the [Connect] button.

Note: If you do not have an account yet, please register first and then login.

4. The information of the video will be added automatically on the right side of the interface. The conversion process will start.



5. After completing the converting step, the software will start uploading the video. When the transfer is complete, click the [OK] button to confirm. Then your file has been successfully uploaded to the Kinomap.com website.



SPECIFICATION

Sensor	3.0 Mega pixel CMOS sensor	
Lens	120º wide angle field of view	
Focus range	0.5m - ∞	
Video	Resolution in DV mode	1080P: 1920x1080 pixels ,30fps

		720P: 1280x720 pixels ,30 fps
		720P: 1280x720 pixels,60 fps
	Resolution in CAR mode	1080P: 1920x1080 pixels,30 fps
		720P: 1280x720 pixels,30 fps
	Format: H.264 compression, saved as MPEG4 (.mp4) file	
Photo	Resolution in DV mode	8MP(3264 x2448)
		3MP (2048x1536)
	Resolution in CAR mode	2MP (1920x1080) on 1080p
		1MP (1280x720) on 720p
	Format: JPG	
	Capture Modes: Single, Burst-shot, Time lapse	
Audio	Built-in high quality microphone	
	AAC Compression, Automatic Gain Control	
Storage	MicroSD/MicroSDHC with minimum Class 6 A 32GB or above memory size of card is recommended for car recording function	
	Average Recording Times: about 4 hours (using 32GB mSD card in 1080p30/720p60)	

Other features	GPS, G-sensor, Vibration status indication
Memory slot	MicroSD card × 2
Connection	USB2.0 port for data transfer，battery charging and AV-output
Power	Built-in 1200 mAH Rechargeable Li-Polymer Battery
	Battery Life: Approx. 2 hours
Waterproof	Durable plastic housing
	Depth up to 30 feet / 10 meters
Language	English, German, French, Italian, Spanish, Japanese, Korean, S.Chinese & T.Chinese
Dimension	38.0x38.0x109.0mm
Weight	139.0g(w/ PODZ)

SYSTEM REQUIREMENTS

Operating system	Windows® XPSP3/Vista/7/8 and Mac 10.5 or above
CPU	Pentium III or above
RAM	At least 64MB
Interface	USB 2.0 port

TROUBLESHOOTINGS

Problems	Causes	Solutions
1.LED flashes and camera turns off 2.Cannot turn on the camera	Battery is depleted	Recharge the camera
Red LED flashes during recording	Low battery	Recharge the camera
Cannot take photos or videos (Blue LED flashes rapidly)	1. The memory is full in DV mode 2.The memory is insufficient to operate in CAR mode	Delete unnecessary photos or videos on the current memory card or replace it with a new one
Cannot take photos or video (Blue and Red LED flashes alternatively)	1. MicroSD card is not inserted 2. MicroSD card has a card error	1. Insert a MicroSD card 2. Format the MicroSD card at PC or on TV
Cannot find the removable disk after connecting the camera to the computer	Connection failure	1. Make sure all cable connections are secured and restart the computer if necessary 2. Make sure the computer port is USB 2.0 3. Try a different USB port Avoid Hub and Keyboard USB ports